The Mining Journal RAILWAY AND COMMERCIAL GAZETTE.

FORMING A COMPLETE RECORD OF THE PROCEEDINGS OF ALL PUBLIC COMPANIES

No. 634 .--- Vol. XVII.

LONDON, SATURDAY, OCTOBER 16, 1847.

PRICE 6D.

IMPORTANT SALE OF MINING MATERIALS.

JOHN GOULD begs to inform the public, that he has recived instructions to SUBMIT to COMPETITION, on Wednosday, 27th October, ew and valuable MATERIALS and MACHINERY OR EAST COOMES MINERIALS of SWYMBRIDGE, DEVON, on such conditions as will be then and there

in the new and valuations and relations. The value is the paries of swyrMBRIDGE, DEVON, on such conditions as will be then and there codesced—consisting of A WATER-WHEEL, nearly new, 36 feet by 4; about 10 fathoms of 12-inch pump lunger lift, with door-piece, hatch-piece, stuffing-box, working case, and bottom, complete, shaft, and y-lob, complete; 10 fathoms shafered and plunger pole; 50 fathoms fast-rod and plunger pole; 50 fathoms fast-rod mileys, shaft, and y-lob, complete; 10 fathoms shafer plunge, door-piece, working case, and windbowe; 10 fathoms main-rod, casing, &c.; 1 disswring lift, with 8 13-inch pumps, 6 feet long, working-piece, wholbore, and windbowe; 1 drawing lift, with 9 b-ner, 40 feet long, working-piece, wholbore, and slack deorpiece; 1 drawing lift, with 9-inch pumps, 9 feet long, working barrel, windbows, and clack deorpiece; 8 6-inch barrs, 40 feet high, with sheaves, complete; 8 6-inch, accordance of the sheaves of the shear, 40 feet high, with sheaves, complete; 8 6-inch, accordance of the sheaves of the sheaves of the sheaves whim kibbles and pulleys or walk &c.; milits' shear, 40-inch, accordance of the sheaves of the sheaves of the shear of the sheaves, complete; 1 shear of the sh

EXCELLENT STEAM-ENGINE, of 85 inches cylinder, FOR SALE, suitable for Mines, Colleries, Water-Works, Iron-Works, &c.—FOR SALE, at TRENOW CONSOLS MINE, mear MARAZION, CORNWALL, at a very moderate orice, a powerful STEAM-ENGINE, of 85 inches cylinder, 16 feeds-troke o-qual beam, of the best construction, and in perfect working condition—having been used for a construction, and will be sold with, or without, bollers.

Also, TWO BOILERS, together 25 team, energy new, and numerous MINING MACERIALS, well worthy of attention.

Application to be made to the agents, on the mine; or to Mr. Heary Thomas, Mining Offices, 9, George-yard, Lombard-street, London.—Oct. 14, 1847.

LIGIBLE INVESTMENT.—It is proposed to form a small JOINT-STOCK COMPANY, for the purpose of FURCHASING some well-known ROM-WORKS, in one of the NORTHERN COUNTIES, which are most advantageously traste, within a mile from a port of shipment, and with a railway passing close to the orks. The manufacture of fron, from mineral of the richest kind, found in large quanties on the adjacent property, has been hitherto carried on; and peculiar advantages are now offered to increase the trade, and which may be effected at a very small outly a castal.

For further particulars, apply (by letter) to Charles Gardiner, solicitor, Old Astro-nambers, London.

Thanbers, London.

WALL'S END COLLIERY.—TO BE LET, and entered upon so or after the 30th November next, for such a term of years as may be greed upon, all that current-going COLLIERY, well known by the name of WALL'S END COLLIERY, at present held by William Russell, Esq., under lease from the Dean and Chapter of Durham—comprising the COAL MINES under the whole of the lands in he township of WALL'S END, in the country of Northumberland. The Low Ma'n and the Beaumont Seams, which have been hored to, remain throughing unforced; and the Beasham Seams applies the vend of the existing colliery. The colliery is contiguous to, and has shipping borths in, the River Tyme. Plans of the workings of the colliery, and further particulars, may be known on application to Mr. E. F. Boyd, Urpeth Colliery, Chester-le-street; or at the office of the Reteters of the Dean and Chapter of Durham, Durham.

Durham, Sept. 11, 1847.

O LET, the MINERALS in the LANDS of FAULDHOUSE, parish of LESMAHAGOW, and county of LANARK, consisting of BLACK-BAND G CLAY-BAND IRONSTONES, COAL, and OTHER MINERALS. These minerals, the extent of about 550 acres, are situated into the most valuable portion of the Douglas of Lasmabagow Mineral Basin, and will be completely opened up by the religious control of the course of construction. The minerals in a portion of ately adjoining are already let, opened up, and in active operation eit value; while the large fields in the neighbourhood, till unaccover well worth the attention of frommasters and capitalists.

Apply to John Smith, Eq., writer, Lanark, the proprietor; or James Ferguse, gineer, Auchinisath, Lemnahagow, respecting the torus of lease, and other par

O BE LET, the PARK-HILL MINES, DEAN FOREST, GLOUCESTERSHIRE—containing ONE MILLION TONS OF COAL, and ONE LLION TONS of rich IRON ORE, which, being calcarcons, smeits well with argilization from tone, and may be delivered in large quantities to the Staffordshire, Shropshire, d Weish free-works, at a price far below the cost of local frontones. The mines are timable by level, and can be opened at a triffing expense; and, were blast-furnices etced, their produce might be smelted on the spot into excellent from.—Apply (posted, the produce might be smelted on the spot into excellent from.—Apply (posted) to Henry H. Fryer, Esq., solicitor, Coissord, Gloucesterahire.

POR SALE, a 70-inch cylinder ENGINE, without boilers.
For price, and further particulars, please apply to Samuel Grose, Esq., engine
vall, Gwinesr, Camborne.

STEAM-ENGINES.—From 8 to 20-horse power ENGINES
Apply to Mr. CAPPER, Engine-Maker and Founder, BIRMINGHAM.

Price—212 to £16; with boller, £22 per horse.

TRONG MIXING PIG-IRON.—The YSTALYFERA IRON COMPANY beg to solicit ORDERS for their ANTHRACITE PIG-IRON.

This iron mixes well with Scotch pig-imparting to its strength and elasticity, and receiving from it a portion of its softness and fluidity. No. 3 Pig is recommended for mixing with soft from—Nos. 1 and 9, for machinery castings, requiring great soundness and strength. At this period, when cast-iron is so much employed in the construction of bridges and other buildings, requiring all the strength and elasticity which the best mixing of metal will afford, it may be interesting to call attention to the characteristics of ANTHRACITE PIG-IRON, as maroarms on by that great practical authority, the last DAVID MUSEURS, Eq., M.L.C.E.:—

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It greatly exceeds, in strength, in styreit greatly exceeds, in strength, in styreit in at this time manufactured in the United E

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THE YSTALYFRIA IRON COMPANY,

Near NEATH, SOUTH WALES. ed June 22, 1847.

HOT-BLAST WITHOUT COAL, LABOUR, OR REPAIRS

A DCOCK'S PATENT SPRAY PUMP.—This important NVENTION having been PERFECTED, and byught into SUCCESSUL PRACTICAL OPERATION at LLANHIDDEL, at pits belonging to R. J. Blewitt, Esq., M.F., Llantarnam Abbey, near Newport, Mommouthelire, the PATENTER is ready to RECEIVE, and to execute, ORDERS.—Apply to Henry Adeock, C.E., at his offices, 187, Strand, London, where pamphlets, descriptive of the invention, may be had; at the office of the Missing Journal, 36, Fleet-street; and through any respectable bookseller—prints.

A SSAYING AND ANALYSIS.—Mr. MITCHELL begs to inform the MANAGERS, &c., of MINES, SMELTING-WORES, and MANUFAG-TORIES, that he still continues to CONDUCT ASSAYS and ANALYSES of all PRODUCTS, mostallurgical and manufacturing, at his LABORATOR.

3. HAWLEY-ROAD, KENTISH TOWN, LONDON, 20 to which address communications are to be forwarded.—Instruction in all branches of assaying and analysis as usual.

VIADUCTS AND OTHER RAILWAY WORK .- The at-

tion of Railway Engineers, Archizote, and Contractors is particularly directed at advantages to be derived from the application of SEYSSEL ASPIALITE, as approvious and permanent covering for arches and roots, and lining of renervoirs.

5. The arrangements of CLARIDGE'S PATENT ASPIALITE COMPANY to execute works of any extent with the greatest promptisade.

5. To guard against the use of spurious materials, it is important that all applications to be executed by made direct to this company; and, as a further profession to company that the proper description of material has been used. Storm the company that the proper description of material has been used. Storm may be obtained as to all works which have been executed by the company that the proper description of material has reported to the company that the sign of the sign of the company that the sign of the company that the sign of the sign o

TMPORTANT TO RAILWAY AND STEAM NAVIGATION

COMPANIES, MANUFACTURERS, AND ENGINEERS.

W. BROTHERTON AND CO.'S

PATENT LUBRICATING FLUID (or Animal Oil) FOR ALL DESCRIPTIONS

OF MACHINERY.

W. B. & CO. have the pleasure to state, that the above article is extensively used is her Majesty's Steam Navy, and by several of the principal Steam Navigation and Rail way Companies, and is processing by them, and by the first practical engineers of the day, to be far better adapted for the purposes of lubrication than any other article lithert used for such purposes. The Fatent Lubricating Fluid is equally applicable for the mod intricate and fine pieces of machinery, as for the heaviest bearings of the steam-engine it is cheaper, much more economical, and elesser than oils at greeous in use; is free from small, and calculated to effect a vast saving in the expenditure of working steam power. Further particulars can be lad, and isofimonials seen, by application to the manufacturers,

W. B. — The above article will burn in lamps, and give a light equal to the best sporm of

BY HER MAJESTY'S LETTERS PATENT.

FULLER AND DE BERGUE'S VULCANIZED INDIA.

RUBBER BUFFERS and BEARING SPRINGS FOR RAILWAY CARRIAGES
The PATENTEES of this NEW and IMPORTANT INVENTION beg to amounce to
Engineers, Carriage-builders, and Railway Companies (especially those consistenting nev
lines), that they have now completed their arrangements for SUFPLYING the VULCA
MIZED INDIA-RUBBER BUFFERS and DRAW-SPRINGS, for Passenger-Carriages
Waggons, Cattle-Carriages, Engines, Tenders, &c., and are prepared to execute Order

Maggons, Cattle-Carriagos, Engines, Tonders, &c., and are prepared.

Waggons, Cattle-Carriagos, Engines, Tonders, &c., and are prepared.

On several of the principal Liese these Buffers have now been tried for many mont past, under very able superintendeace, and with decided success. The patentees, ther fore, feel justified in stating, that they are prepared to furnish not only a more efficie Buffer than any hitherton to use, but on terms without will effect a considerable saving. Companies in the first outlay.

Specimens of the various kinds of buffers and draw-springs may be seen, and priobtained, on application at their offices, No. 9, Arthur-street West, London-bridge, or their depth, No. 9, David-street, Manchester.

The patentees will also be happy to furnish full information to all communications letter, together with drawings of the best mode of application.—The attention of Lo motive Engineers is particularly invited to their BEAKING SPRINGS for ENGINES of TENDERS, the recent trials of which have proved most successful.

TENDERS, the recent trials of which have provide more successive.

PLEXIBLE HOSE-PIPES FOR LOCOMOTIVE ENGINES,

PATENT VULCANISED INDIA-RUBBER HOSE-PIPES AND TUBING

DEVERY DESCRIPTION.

These pipes are made to stand hot-water without injury—sre very superior to leather pipes, or the common India-rubber pipes; and, as they do not become hard or stiff in the lowest temperatures, or require any application when not of use, are particularly well adapted for fire-engines.

FLEXIBLE TUBING, of every description, for gas, chemical purposes, &c.

VULCANISED INDIA-RUBBER WASHERS, all sizes, for steam and not-water joints, &c.—Sole manufacturer,

JAMES LYNE HANCOCK,

Goswell Mews, Goswell-road, London.

ELECTRIC TELEGRAPH COMPANY LONDON, 945, STRAND, September 1, 1947.

COMMERCIAL TELEGRAPH.

The works of the first for commercial communications, between the places enumerated below, emit of TELEGRAPHS for COMMERCIAL PURPOSES only, and distinct from that reserved for the special use of railways, being as far advanced as to admit of their completion by the commodement of the coming year, the directors intuitiat the time has now arrived, when it becomes delir duty to make known the arrangements which they contemplate for the accommodation of the public STATIONS will BE OFENED, in central situations, in the PRINCIPAL TOWNS whence RESSAGES and DISPATCIAES will be FORWARDED TO, and REGELVEL FROM, all the OTHER STATIONS of the ELECTRIC TELEGRAPH COMPANY.

In order to give to Merchants, Bankers, Masinfacturers, and all connected with trade the greatest possible amount of information, a ROOM will be RESERVED in each of the COMPANY.'S STATIONS for SUBSCRIBERS, in which will be received, tabulated, an exhibited, all intelligence of Commercial or Public Interest—for instance:

SHAP LISTS, from the various Ports.

SHARE LISTS, from the various Exchanges.

PRICES CURRENT.

SHIP LISTS, from the various Forts.

SHARE LISTS, from the various Exchanges.

PRICES CURRENT.

STOCK EXCHANGE LISTS.

CORN MARKETS, from the various Towns.

PRICES OF LIVE STOCK, &c. &c.

In LONDON, a CENTRAL STATION, suited to the importance of the metropolis, is in a COURSE OF ERECTION, in the immediate vicinity of the Bank and Royal Exchange; in this Station the whole TELEGRAPHIC NEWS of the COUNTRY will be CONCENTRATED, and FORWARDED in EVERY DIRECTION. And here, as in other towns, a ROOM will be RESERVED for SUBSCRIBERS.

The SUBSCRIPTION to these ROOMS will be TWO GUINEAS per annum, paid in advance, which will entile SUBSCRIBERS to the RIGHT of ENTRANCE to ALL the SUBSCRIPTION ROOMS of the COMPANY—including the Central Station at London. The foregoing details some of the advantages of the Commercial Tolgraph in subscribers; but the requirements of the public in general will be provided for by the establishment of offices, which will at all times be open for the reception and transmission of messages and dispatches; while messagers will be kept at the various stations, by whom dispatches may be sent out to any part of the town where the communication has been received by Telegraph at the Company's Station.

Subscribers' Ammes are received at the Commercial Telegraph

London	Chester	Southampton	al Telegraph will b Derby	Darlington
Margate	Liverpool	Winchester	Nottingham	Newcastle
Ramsgate	Rotherham	Dorchester	Lincoln	Berwick -
Deal	Barnsley	Bristol	Chesterfield	Edinburgh
Dover	Wakefield	Gloucester	Sheffield	Glasgow
Folkestone	Leeds	Cheltenham	Bradford	Scarborough
Canterbury	Halifax	Peterborough	Wisbeach	Bridlington
Northampton	Rochdale	Yarmouth	Lowestoff	Stamford
Coventry	Hull	Huntingdon	Cambridge	Norwich
Birmingham	Maidstona .	Hertford	Chelmsford	St. Ives
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THAMES ECONOMICAL STEAM - BOAT COMPANY.
(REGISTERED PURSUANT TO ACT OF PARLIAMENT.)

ESTABLISHED ON THE PRINCIPLE OF CHEAP AND EQUALISED PARES.

Capital £40,000, in 8000 shares, of £5 each,

On which £2 per share will only be called until after a meeting of the sharehold approving of a further call to extend the operations of the company.

No call to exceed its, per share.

The shares may be paid by small instalments,—eids Prospectus.

Each shareholder to receive a bonus of free passage.

Tickets to the full amount of paid subscription.

The object in promoting this company is to provide for the public a safe and economic amountment of the full amount of paid subscription.

The object in promoting this company is to provide for the public a safe and economic amountment of the full amount of paid subscription.

The company will run express boats morning and evening.

A considerable portion of the shares having been subscribed for amulation.

A considerable portion of the shares having been subscribed for ander may be made at the offices of the company, 134, Upper T licitor, 47, Bedford-row, where prospectuses and plans may be rmation farmished.

THE PATENT OFFICE AND DESIGNS REGISTRY

No. 210, STRAND, LONDON,
INVENTORS will receive (gratis), on application, the OFFICIAL CIRCULAR OF
INFORMATION, detailing the eligible course for PROTECTION of INVENTIONS and
DESIGNS, with Reduced Scale of Fees.
Messure, F. W. CAMPIN and CO. offer their services, and the benefit of many Young
Experience, in SECURING PATENTS and REGISTRATIONS OF DESIGNS, with the
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Experience, in SECURING PATENTS and ENGINEERING DRAWINGS, whether connected with
Asients, Relivacy, or otherwise, by a staff of first-rate drafamen.

Application personally, or by letter, to F. W. Campin and Co., No. 210, Strand (cortor of Essex-street).

ander the timediate care of the inventor, and established for upwards of 50 years by the profession, for removing Bills, ACDITIES, and INDIGESTION—restoring APPETITE, preserving a moderate state of the bowels, and dissolving uris cald in GRA-tion incident to childhood at easy remedy for SRA SICKISES, and for the febrile arrection incident to childhood at all regulable.—On the value of magnesis, as a remediat agent, most valided by the profession, as it emitted a profession of Sir James Murray is now the cretion successive to entarge to be the final properties of Sir James Murray is now the cretion successive the profession, as it emitted a profession. CIR JAMES MURRAY'S FLUID MAGNESIA. it is unaccessary to enlarge; but the finid proparation of Sir James Murray most valid by the procession, as it entirely avoids the possibility of those dan creations usually resulting from the use of the article in powder, and in the liquids of the state of the article in powder, and in the liquids of the state of

ONDON AND SOUTH-WESTERN RAILWAY.—The directors of the LONDON AND SOUTH-WESTERN RAILWAY COMPAN wish to RECEIVE TENDERS for SINKING an ARTESIAN WELL, on the company promises, at Nine Elma.—Tenders to be addressed to the secretary, and to be delivered at this office, before Ten o'clock, on Friday, the 19th inst. By order, Nine Elma, Yusukali, Oct. 13, 1847. P. LAWRENTZ CAMPBELL, Sec.

TO RAILWAY ENGINEERS AND SECRETARIES. Any GENTLEMAN, in either of the above capacities in the kingdom, NOT alreatures of the same, have one forwarded by post the came, have one forwarded by post better the Little, Farmival's Inn, London.

TRON FOUNDRY TO SELL, OR LET, IN MONTROSE

T-TO BE SOLD, OR LET, as may be agreed on, the LINKS FOUNDRY OF MONTROSE, along with STEAM-ENGINE and TOOLS necessary for a local trade.—Apply

D. Y. Stewart.—Montrose, Geober, 1847.

TO IRONMASTERS—BLOWING-ENGINE FOR SALE.

—A CONDENSING ENGINE, steam cylinder, 30-inch diameter; blowing cyling, 52-inch diameter; length of stroke, 7 feet: in good order—has been worked fagura.—Apply to Mr. Joseph Bowman, Pembrey, near Llanelly, Swanses.

TO IRONMASTERS AND OTHERS.—TO BE SOLD, atoam cylinder, and 108-inch blowing cylinder, Also, a 50-inch and 56-inch risk CYLINDERS, and a very strong CAST-IRON BEAM, suitable for a water-engine. For the price and particulars, apply to Mr. John Pugh, Parkfield fron-Works, forth cylinder and particulars, apply to Mr. John Pugh, Parkfield fron-Works, forth cylinder and particulars, apply to Mr. John Pugh, Parkfield fron-Works, forth cylinder and particulars, apply to Mr. John Pugh, Parkfield fron-Works, forth cylinder and particulars, apply to Mr. John Pugh, Parkfield fron-Works, forth cylinder and particulars, apply to Mr. John Pugh, Parkfield fron-Works, forth cylinder and particulars.

WANTED, FOR NEW SOUTH WALES, an intelligent and experienced MINE AGENT—one well acquainted with mineral formations, and the strata in which they are generally found—who could undertake to explore a new district of country where mineral deposits are supposed to exist, and to determine, from surface indications and otherwise, the particular locality in which mining operations would be likely to prove successing 1; and who would be able to direct all the necessary labour, underground and at grass, of an extensive mine—should such an one be established. He will, probably, be accompanied by a dozen of Cornish miners. Salary not less than \$200 for the first year.

Applications (if by letter, post-paid) to Richard Boot, mine broker and general specific Redruth.—Dated 10 mo. 5, 1847.

MINING OFFICES—ESTABLISHED THIETEEN YEARS.
WILLIAM TRENERY begs to inform his friends and the public, that he is
REMOVED from No. 50, Threadneedle-street, to
Ro. 5, ST. MICHAEUS-ALLEY, CORNHILL, LONDON.

MR. R. TREDINNICK, MINING AGENT AND DEALER IN EVERY DESCRIPTION OF SHARES.
THREE KINGS COURT, LOMBARD STREET, LONDON.

MINING OFFICES, 1, ST. MICRAÉUS-ALLEY, CORNHILL, LONDON.

ATSON AND CUELL, MINE AGENTS.—

N.B.—STATISTICAL INFORMATION furnished (on application) to SHAEL

HOLDERS in MINES in Cornwal, Devon, Scotland, Ireland, Wales, and Spain.

VILLIAM H. SMITH, MINING SHARE AGENT 10, WARNFORD-COURT, THROGMORTON-STREET, LONDON.

WILSON & FRASER, 2, WELLINGTON - BUILDINGS LIVERPOOL, and 13, EXCHANGE-PLACE, GLASGOW, have always ON SALIPION, BAR-IRON, RAILWAY CHAIRS, and RAILWAY BARS. JAMES LANE, MINING SHARE DI

BRITISH MINING OFFICES, 41, MOORGATE-STREET,
LONDON,—and
4, STAMP-OFFICE BUILDINGS, MANCHESTER.
PROSPECTUSES may be had, and SHARES obtained, in the SILVER-LEAD and
COPPER MINES connected with these offices, on application to the secretaries, at London or Manchester.
W. SHEARMAN, Manchester.

ORIGINAL REGISTRY OFFICE, FOR THE SALE AND PURCHASE OF MINING SHARES.

No. 28, THREADNEEDLE-STREET, LONDON.

CROSSMAN, SOMMERS, AND CO., AGENTS.

East Birch Tor New East Crowndale East Wheal Rough Tor North Wheal Camel Great Wheal Rough Tor

MONEY.—MESSES. WINSTANLEY & CO., Sharebr inform their friends and the public, they make IMMEDIATE ADVAS any amount, on the deposits of English and Foreign Railway Charts. Scrip, and three, upon exceedingly advantageous terms: they also BUY and SELL every de-of STOCK and MINING SHARES; at much less commission than usually charge ny amount, on the deposit of English and Foreign Farret, upon exceedingly advantageous terms: they also f STOCK and MINING SHARES; at much less chan 6, Bank Chambers, opposite the Bank of England.

A LTEN MINING ASSOCIATION.—The directors of this association hereby give Notice, that a GENERAL MEETING of the shareholders will be HELD at the offices, Winchester-Bouse, 59, Old Broad-street, on Friday, the 23rd day of October inst., at One for Two o'clock precisely, for the purpose of receiving the report of the directors, and a statement of the financial accounts, to the 31st March last. the will be at the office, for the inspection of the shareholders, three seeting.—Dated this lat day of October, 1847.

By order of the board, EDWARD J. COLE, See

AMAR SILVER-LEAD MINING COMPANY.—Notice is horeby given, that the ANNUAL GENERAL MEETING of the shareholders in is company will be HELD at 44, Finsbury-square, on Thursday, the 21st day of Octuber 21, at 7wo o'clock precisely.—London, Sopt. 25, 1841.

TRELEIGH CONSOLIDATED MINING COMPANY.

A DIVIDEND, being the third, of SIX SHILLINGS per share, or 5 per cent, up
the paid-up capital, has this day been declared, PAYABLE on Monday, the 11th Octo
mat, and on every succeeding Monday, between the hours of Eleven and Three o'clo
The coupons, with a list, according to a form, which may be obtained at the office, me
be left for examination three clear days previous to payment.

57, Old Broad-street, October 6, 1847.

WM. NICHOLSON, Secretary.

GREAT SOUTH TOLGUS MINING COMPANY.—
NOTICE.—Notice is hereby given, that the following REGULATION was unanimously passed at a General Meeting of the adventurers, held on the 50th ult.—viz.:

and no subdivision of any share shall be permitted be transferred; but that, in case of transfer of any transferses, shall send, or give, to the accretary of distributions, shall send, or give, to the accretary of distributions, and the framework of the company, a written, or printed, memorandam his or their acceptance thereof—which notice shall be purchaser, and shall state their respective names and the number of shares transferred. The transferred series of the purpose of endorsing and transferred in the purpose of endorsing and the first purpose of endorsing and the

Whath is DULLER MINE.

Notice is heroby given, that a CALL of ONE POUND per share has be made on each share, and that the same must be PAID, on or before the life day nor next, to the credit of the company, at Mesra, Glyn, Halinas, and Co. 'e, bat lon; or at the Boreign Bank, Liverpool. By order of the board, C. YATES, S. Offices of the Company, 3, Clayfon-square, Liverpool, Oct. 201547.

PATENT IMPROVEMENTS IN CHRONOMETERS
WATCHES, AND CLOCKS.—E. J. DENT, 89, Strang, and 39, Cockequit-stree
watch and clock maker, By APPOINTMENT, to the Queen and his Royal Highner
Prince Alburt, begs to acquaint the public, that the manufacture of his chronometor
watches, and clocks, is secured by three separate patents, respectively granted in 188
1840, 1842. Silver lover watches, invelled in four holes, 5g a cent; in gold cases, grow
\$5 to \$10 active. Gold horizontal we ches, with gold disk, from 8 gs, to 19 gs, each,
\$10 active. The public of the public

DEBLITATED CONSTITUTIONS, DISORDERED LIVER, BILE, AND INDIGESTON, CURED BY HOLLOWAY'S PILLS.—The good effects produced by this salistary necltime are really extraordinary, and speak volumes in favour of its excellence in the cure
of impaired dispession, bile, diseases of the liver and closet. The benefits derived from the
use of Holloway's pills in these complaints are pre-eminent, as the whole system is comleicity renovated, by inducing a healthy action of the liver, strengthening the organs of
ingestion, and promoting a free respiration. Persons suffering from any of these disorcers, should immediately have recourse to this established remedy, to ensure a safe, cerain, and speedy cure.—Sold by all venders of medscine, and at Professor Holloway's seabilishment, 244, Strand, London.

ON NERVOUS DEBILITY & GENERATIVE DISEASES.

"Just published, the Thirtieft Thousand, an improved edition, revised and corrected, 120 pages, price 2s., in a sealed envelope, or forwarded, post-paid, to any address, sectors from observation, for 2s. 6d., in postage stamps, illustrated with numerous anatomical coloured engravings, "MANIGOD: the Causes of its Fremature Doeline, with Plain Directions for its Perrect Restoration." A medical essay on those diseases of the generative organs, cananating from solitary and sedentary habits, indiscriminate excesses, the effects of climate, and infection, &c., addressed to the sufferer in Youth, Manihood, and Olfd Age; with practical remarks on marriage—the treatment and care of nervous and mental debility, imposency, applitis, and other urino-genital diseases, by which even the most sinstered constitution may be resolved, and reach the full period of life allotted in max. The whole illustrated with numerous anatomical engravings on steel, in colour, explaining the various functions, secretions, and structures of the reproductive organs in health and disease; with instructures for private genrespondence, cases, &c.

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Nextense and the designing."—Gui ON NERVOUS DEBILITY & GENERATIVE DISEASES.

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**Unquestionably this is a most extraordinary and existin work, and ought to be examined by couth and maturity, and by its periasal, many questions may be astifactorily pille

THE GREAT WELSH COLLIERY CASE.

RAILWAY AND CONVERCIAL GAZETTE

THE MINING JOURNAL;

THE GREAT WEISH COLLIERY CASE.

IN THE MATTER OF THE AMBTERATIOR HUMBERS THE RESERVEY COLLIBRIUM, SOUTH WALES.

(Concluded Jose has well as the search of the searc

and descended into the mines, and minutely examined them.

It appeared, according to the statement of the plaintiff's attorneys, that, since the last meeting, is London, a fresh crush had occurred in continuation of the former one—bringing down some additional water, and producing a corresponding depression on the sanda—Evidence at great length was gone into on both sides, before the arbitrator, upon the spot, in support and explanation of the new state of things, and the arbitrator, upon the spot, in support and explanation of the new state of things, and the arbitrator minutely inspected and examined into them. The examination of the mines, and hearings of this evidence, occupied nearly a straight. As the completion, a day was named for the parties to appear in London, by their counsel, to address the arbitrator, at the appointed time, counsel and the parties accordingly attended the arbitrator, and Mr. Armenyo, as cosmed for the defendants, proceeded to comment on the case.

Decien of Medicine, Materialized Member of the University of Edinburgh, Listensian Company of the Control of Medicine, Materialized Member of the University of Edinburgh, Listensian Company of the Control of Medicine, Materialized Member of the University of Edinburgh, Listensian Company of the Control of Medicine, Materialized Member of the University of Edinburgh Medical Society, "The author of this simpler and talented work is a legally qualified medical many who has evidently had considerable experience in the treatments of the autocontenters, aciditate, by General Control of the Control of the

w. & had the defendants done? they had not called one man est of all their of worts-people to dispress one of these witnesses statements; on the contrasandants had called one man, who was the underground agent—who had supthe original workings of the lines-part call—and this man they had not venit
a question to upon the subjects spokes to by the plaintiff witnesses. There
is one reason for this—namely, that the facts could not be disputed. He then con the testimony of the scientific witnesses of the plaintiff, and showed that
formly attributed the crush to those causes which they believed had existed; a
in fact, had existed. They were all of one opinion on the necessity of a now wiall agreed as to the expense. Then, as to the defendants' electific witnesses,
that a supposed state of things might produce a given consequence; any body
the same—but the supposed state of things was not proved to have existed. He
to the arbitrator's experience during the view made by him, for confirmation
presentations made by the plaintiff witnesses as the state of the mine. He
by observing, that the defendants' witnesses had expressed a belief that the w
be carried on with the present winning; but, said the learned gentleman, I as
the plaintiff is not to have this colliery case upon his hands with the hazard th
from may follow future operations, accompanded with the danger and respons
loss of human life too fearful to contemplate. The plaintiff ought to have such
as will enable him to replace the colliery in an efficient working state; and if
already done should prove, as the defendants witnesses depose, less than we,
the defendants will then have paid what they sught, as a tribute to justice.

The learned Abutraavoa observed, that supposing he should be of opinion (
are the vector of the state of the state of the plaintiff out the shall the second of the state of the state of the state of the state of the state.

his hands.

Mr. Cowerso said, that he would consent, in such a case, to do as was done in insurance cases—namely, to knock off one-third of the amount, for such allowances as ought to be made for the difference between old and new.

The Amerenaron then named a day when his award would be ready. At that time the parties attended him, and took up the award, the substance of which is, that the arbitrator found and awarded for the plaintiff the sum of 4672i. for royalty net accounted for, and 17,020i, for damage done to the colliery—making, is the whole, the sum of swenty-one thousand six hundred and ninety-face pounds.

THE CHEMISTRY OF THE METALS-No. II.

on Chronicle-Continued from Mining Journal of last week.

THE CHEMISTRY OF THE METALS—No. II.

By constantly repeating their experiments the alchymids had arrived at the necessary knowledge for working the metals known at the period, but not having any regular system of analysts, it, must have been a most difficult problem to prove the existence of any new element:—"The assay or analysts of mineral substances had been confined to operations effected by the aid of heat, by which, except in vary common cases, their nature was rather guessed at than demonstrated." This art, on which so much depended, was first systematically arranged by Bergman, of Sweden. This eminent chemist was born in 1738, and died in 1744, in consequence, it is said, of intense appleation to his studies: "this life was short, but as he neither lost or misemployed time, his activity composated for the brovity of this days." The ordinary operations of qualitative analysis are exceedingly simple, and easy of exsecution, susually consisting of little more than smerely mising a reagent with the solution of the spheracuce be to analysed. The reagent is so named from its producing, whom placed in contact with another substance, a peculiar appearance or change, the reaction by which the presence of a particular substance, a piculate appearance or change, the reaction by which the solution is first stokes. By Boyle, and he was sometimes very fortunate in their contrivances of its first stokes. By Boyle, and he was sometimes very fortunate in their contrivances on the same analysis. The use of tests for the discovery of certain unbatances held in solution is first stokes. By Boyle, and he was sometimes very fortunate in their contrivances on the same analysis. The seek of the day of the day of the same and the same ner of procuring them, and the particular purposes to which they are applicable. These are 40 metals at present known, they are: Gold, allow, opper, from more purposes, per commentary, extending, palledum, rhodium, firtilium, tits, lead, since, bismuth, antimony, ounium, forium, potassium, sodium, lithiam, aresole, cobalt, plastimen, nickel, manganese, barism, calcium, grontium, magnesium, ditoum, tungston, tellurium, titsalium, molybdenum, urasimu, alue mu, yttimo, glucium, arcontium, and cadmium—of these, swow only were heaving to the particular symbol representing both the metal and the planet." Gold was represented by the sun, sitver by the mosu, mercury by Mercury, copper by Young, know have, the sun, sitver by the mosu, mercury by Mercury, copper by Young, know have, the sun, sitver by the mosu, mercury by Mercury, copper by Young, know have, the young the sun, sitver by the mosu, mercury by Mercury, copper by Young, know have, the young they were proteably acquainted with its ores, and with their property of froming brase when fused, with copper." The word sinc first occurred in the writings of Paraclesus, who deed in 1944. Binanth is mentioned in the Remonsus of Agricola, writises about 1530. Animons was first obtained pure by Basil Valenthe, about the end of the 16th century. Arente and cobalt were discovered by Brandt, in 1733. Platitum, was first excessioned as a peculiar body by Mr. Charles Wood, assay master in Jamaica, in 1744. In 1754, the distinctive characters of nickel were shown by Contadat; and manganess was obtained by Gaho, in 1774. Tungsten was discovered by Mr. Delhugurt, in 1781; tellurium and molybedenum by Muller and Heen, in 1782; turantum by Kulper Stitanhum by Myregor, in 1789; chromium by Kulper and Heen, in 1782; turantum by Kulper Stitanhum by Myregor, in 1789; chromium by Warnetim, in 1797. Wollston i, and irrifilms and cemtum by Mil Pronanti, in 1802. Certum was announced in 1804, by MM. Hisenger and Berzellus. Potastum and sodium were discovered by Et. Wollston i, sold irridi

the is Chapan parties on the harmonic ferrithe small the into an interest the int

THE EXPLOSION OF THE CRICKET.

the particular attention paid to this unfortunate catastrophe in our Journal, and of hearing of some of the strictures, we insert the following article, from the Ecos a presenting a comewhat different view of some of the attendant circumstance appressed by us. It must, certainly, be unnecessary to assure our readers, that marks on this subject, we have been actuated by purely disinterested feelings, alone destrous that bisme should attach to those who are deserving of ceasure.]

"The grout semantion caused by the explosion of the Criefer, issulfact to this ractify of such coccurrences. Were they as frequent on the Thansas as on the Mistellangty, we about the continuous of Provideson. But coming ecidon, when one acceleratily happend, it is the parent of proditions alarm, and of much foaming eloquence, almost as alarming as the occurrence. The whenever with the continuous continuous provides are all the continuous continuou

set on anthor of a great public convenience to severe punsations of exercing the author of a great public convenience to severe punsations of such enterses or folly of his servant, dimit, that the only way to make the proprietors and undertakers of such enterses profit responsible for the public safety, is to punish them in purse for any ness in those they coupley, which, by ordinary diligence, they could prevent. If with had not taken proper precautions in managing the business, he would have defined to employ, are not an example of the purse of the form of the purse of all a lin his position, that the persons he and they are compelled to employ, are not Mr. Smith had not taken proper precautions in minaging the business, he would have deserved the censure of the jury; it is his misfortune, however, and the misfortune of all persons in his position, that the persons he and they are compelled to employ, are not remarkable, to use the language of the Specision, for the 'cultivation of the Intellect and the conscience.' The situation of an engineer, entrusted with the lives of many persons, is filled, somewhat to the discredit of our social regulations, by an ordinary workman. Clark was better paid than the captain of the Cricket; yet his office is not well enough paid. Such responsible situations as his are not in general made respectable enough, nor paid well enough, to induce conscientious and well-educated men to take them. Mr. Smith, however, could only select one from the body ofengineers, and Clark was strongly recommended to him by Mr. Joyce, the engine-maker, as a very superior man. For a considerable period his conduct was satisfactory; at length a complaint was made that he had distented down the valves. Into that Mr. Smith carefully inquired, or he would have deserved the severest censure. No other person complainte of Clark than Edwards, the stoker, who disagreed with most of his fellow-workmen, who appears to have kept no situation long, and to have acquired no employer's confidence. Neither his general conduct, nor his mode of making the complaint, entitled him to be believed in preference to Clark. If any of the passengers who on the inquest spoke of having observed the valves to be tied down, had made a complaint, entitled him to be believed in preference to the proprietor nor the public. The misconduct of clark was only known from the accusation of Edwards. Clark denied the charge, asking—'be you think I am mad?' He parilled his own life by his folly; and Mr. Smith, therefore, after weighing the character of the men, had no reason to believe the charge of Edwards. He inquired into it, and supposed it was groundless and, on that supposition, he wo ciple involved. The law now gives compensation to those who suffer from such accidents; the proprietor is liable to reimburse them for any loss; and it seems a double punishment to make a man pay first in reputation, and afterwards in purse. Such a responsibility, of which a coroner's jury, not always remarkable for the accuracy of its investigations, or the propriety of its verdicts, is made to judge, seems likely to deter men of proporty and character from engaging in the ordinary business of society, which will then become deteriorated, indeed, from being exclusively pursued by persons in whom the 'intellect and the conscience are uncultivated.' The destruction was, we admit, swful; but new inventions, or new applications of old arts, in the first instance, are generally attended with danger. In this case the lose was small, compared to the number of persons carried'; and it is to be expected that the knowledge gained by the catastrophe will make engineers build high-pressure boilers better, and work them more carefully. To interfere with the navigation of the river on account of this one accident, would be most unwarrantable. To place it under Government inspectors, who are found to be no security for good conduct in loading emigrant ships, and in various other departments of business, would infallibly put a stop to improvement, and soon deteriorate, and ultimately destroy, the present admirable system of steam navigation on the Thames."

Le Cornish Scientific Meetings.

The following are extracts from the interesting proceedings of the Royal Cornwall Geological and Polytechnic Societies, held, at Pensance and Falmouth, during the past wock—detailed reports of which are published in the West Briton, the Cornwall Gazette, and other Cornials papers.

APPARATUS FOR ASCERTAINING THE SPECIFIC GRAVITIES OF BODIES EXPEDITIOUSLY.—

This was invented by Mr. R. W. Fox, who said that, in visiting Wales a month or two ago to courred to him that it would be important for the iron smelters there (buying as they do Cornish and other kinds of ore), to have some apparatus for easily ascertaining the specific gravity of ores, that having reference to their richness. He had since then condo Cornish and other kinds of ore), to have some apparatus for easily ascertaining the specific grawity of ores, that having reference to their richness. He had since then constructed a little apparatus for weighing quantities. The principle depends upon the weight of water displaced, as indicated by an external graduated tube, the amount of the displacement being the divisor of a body weighed in air. The apparatus is also capable of acting as a balance by the use of a close cylinder, which by sinking in the water raises the water in a tube carefully graduated; so that, when the water is brought to the zero point, every substance put into the cylinder, of any kind, and however divided, will have its weight indicated in the tube. The apparatus is applicable to veighting ores of all kinds, and to detecting the presence of any metallic substance in stony matter. For instance, he knew the specific gravity of quarts or alste, and if it exceeded that, he should suspect there was some metallic matter in the stone, and the weight would show the amount of metallic matter. He believed it would ascertain the specific gravity to the third figure of decimals. The adjustment of the zero is easily accomplished by a little cock below the tubes, and the construction of the apparatus is very inexpensive.—Mr. Fox, in giving a further account of this instrument on the following day, said he could weigh substances, whether from mangamese, tin, or any kind of ore, of which he wished to obtain the specific gravity, that having always reference to its richness. He might first weight in a common balance, or he had the means of weighing it by the water balance in the instrument itself. After stating the manner in which he had carefully graduated the scale, he weighted some quartz pebbles by means of the instrument, which amounted to 2500 grains, which being used in a significant of the weight in a 2500 grains, such a high and the weight in a significant proper such as a division of the weight in all 2500 grains, gave the specific gravit

IMPROVED COUNTER, OR PLEGOMETER.—This machine, the invention of Mr. E.T. Newton IMPROVED COUNTER, OR PLEGOMETER.—This machine, the invention of Mr. E. T. Newton, of Camborne, was thus described:—This counter is intended to register the exact space passed through by the piston of a pumping engine. On the examination of this instrument, when attached to the engine, it will be found that the alightest movement of the piston (when making the stroke) is shown in a proportionate degree on the index, and that on the return of the same, it stands still, so that every inch traversed is accurately shown. The cause of difference in this and the old counter arises from the falling of the pendulum when the engine has gone about three-fourths of her stroke, and even should she stop here, the latter fells the full stroke; whereas, Naston's Improved Counter registers only the exact space passed through by the piston. From the simplicity of its construction, it is not so liable to get out of order as those heretofore exhibited, being free from clicks and the ratchet, which have been found not to answer. This instrument is attached to the gudgeon of the bob by a shaft or rod, on the extreme end of which is a lever, with a connecting rod to a second lever, so constructed as to be adjusted to any length of stroke; under the instrument is fixed a friction-wheel, composed of a mixture of zine and lead, with grooves on its edge; into these are fitted two springs attached to the lever, and two others of the same kind fixed directly opposite; so that when the lever is being lifted by the motion of the bob, the springs attached thereto act by pressure, whilst the others yield, and on return of the stroke they act vice versa. It will be seen from the report of fir. Lean, that this counter has been applied to the engine at North Roskea Mine for six months, ending August 29, 1847; and the result shows an average loss of 7 inches per stroke, and 3-3 millions on the duty of the engine at North Roskea Mine for six months, ending August 29, 1847; and the result shows an average loss of 7 inches per stroke, and 3-3 million

per stroke, and 3.3 millions on the duty of the engine per month, during that period.

A PLAN FOR FIXING A STAMPING DEPARTMENT FOR FIFTY HEADS.—A premium of 67. La Pear for Fixing a Stamming Department for First Harbs.—A premium of 6l. having been offered by the Polytechnic Society and Capt. Richards, for "the most approved drawing of the best plan for fixing a stamping department of 50 heads," a drawing was sent by the agents of Dolcoath Mine, who called attention to the following advantages of the plan they proposed:—The size, position, and mode of using the buddles, with the strips attached. The rough pear of the stamped tinstuff is washed regularly over the surface of the buddle, 5 ft. wide, and 10 ft. long, by means of slips of wood or iron fixed on the head, and the waste is more effectually carried off by the constant use of a broom. Two or three operations of this kind are sufficient to prepare the roughs for tossing. For the more perfect cleansing of the back part of the buddle, as well as to save the expense of heaping, the stuff is thrown at once into a strip close behind.—The second advantage is in the position and peculiar construction of the trunks and covers. To save the labour of wheeling or tramming, the slime is worked close to the stamps jubs. One cover is sufficient to supply 10 or more trunks, according to the roughness of the slime. The cover is fixed at one end of the set of trunks, for the purpose of making the most effective division of rough and fine. The trunk nearest the cover will contain the roughest, and the most distant the finest salime. To complete the dressing the rough slime is buddled, and the fine framed. In the second and third set of trunks the same practice is observed, the alime being worked immediately from the slime plus without removal. Thirdly, in framing, one girl works two frames in the first set, where the best slime is worked, and four in the second set, where the slime is very poor. The agents recommended the covering of the buddles, frames, and tossing floors, that the work might not be suspended through bad weather.

MACHINE FOR REGISTERING THE VARIATION IN THE VELOCITY OF PISTONS.—This machine was described as follo

chine was described as follows:—It consists of a cylinder (on the circumference of which is placed the paper on which the observation is to be taken), driven by a connection being made with any convenient part of the beam, and an arrangement of a crank and levers, or other suitable means for producing the regular reciprocating motion of an arm carrying a pencil at its extremity, resting on the circumference of the cylinder. In the model, there was a narrow cylinder attached by a pinion and wheel, for its more convenient adaptation to engines having a long stroke. When the piston is at rest, the pencil will describe a straight line across the paper, extended for its reception; the latter being set in motion by the revolution of the cylinder, a series of curves varying according to its velocity will result. By dividing these curves longitudinally into any number of equal parts, the velocity of the piston during any part of its stroke may be easily obtained. The inventor stated that the observations may be preserved, and the results obtained at any period from the time of observation with mathematical precision. Other means, he stated, for producing the reciprocating motion of the pencil may be adopted with advantage, that made use of being not quite so uniform as it should be—a circumstance referable to inexperience, and a want of time for its rectification. thine was described as follows :- It consists of a cylinder (on the circumference of which

New Application of Magnetism.—It was proposed by Mr. James Way, of Burnecose, to apply the magnet, not at once as a motive power, but to the economy of power obtained through other agencies—and this by employing it to lessen the friction of rotatory or oscillating bodies. In the model illustrating this proposition, a permanent magnet is fixed over the vertical axle of a wheel—the axle being of iron, and the magnets on early in contact with the surface of the upper end of the axle that the weight of the wheel is nearly, but not completely, balanced by the magnetic attraction. On giving motion to the wheel by the descent of a weight, it will be found that the momentum acquired is sufficient to keep the wheel in rotation for a definite period, and that this period is considerably greater when one of the poles of the magnet is brought in close proximity to the end of the axie, than when so far distant that the axle is 5eyond the influence of the current. The writer has found, from repeated experiments, that when the magnet is effectively placed, the descent of the weight causes the wheel to continue revolving during 30 seconds, whilst on its removal this period is reduced to 30 seconds. In other words, the amount of power guissed or economised, and capable of useful application, is in the case of the model exhibited, not less than 30 per cent, on the whole of the power which would be of service were the magnet of suitable power may be so placed over the axis of a wheel, re-submits that a magnet of suitable power may be so placed over the axis of a wheel, re-submits that a magnet of suitable power may be so placed over the axis of a wheel, re-

were the magnet dispensed with. The frection of rotating bodies being (as shown by Couloumb), in direct proportion to their weight or pressure on their centres, the writer submits that a magnet of suitable power may be so placed over the axis of a wheel, revolving either vertically or horizontally, as to reduce the friction to a minute fraction of its original amount, this remaining fraction being due to the necessity which would exist in practice for allowing the weight of the wheel to preponderate slightly over the lifting tendency of the magnet. Although probably incapable of being economically applied to massive machinery, it is believed that in increasing the delicacy of chronometers, of naiances, and even of the magnet needle itself (in the mariner's compass), and of all the lighter forms of mechanism in which friction is a formidable evil, the employmens of permanent magnets as anti-friction agents might be successfully resorted to; whils electromagnetism, giving the command of weapons vasity more powerful, might even be available in the case of larger rotating or oscillating machinery.

**ELECTRIC ACTION AFFECTION METALLITRIOUS DEPOSITS.—Dr. WILLAN read a paper on this subject, by Mr. Percival Norton Johnson, of Tavistock, a corresponding member of the society, who said he had lest no opportunity in endeavouring to establish, by observation and experiment, the effect of various rocks and formations acting as positive and negative poics for the deposit of metalliferous substances, and that the existence of such deposits depends not only on the difference of rock or strata, but that the electric action must be kept up by the molisture percolating through the joints or cleavage of the strata or rock in which they are found. These are points, Mr. Johnson said, that had no doubt been observed by the galvanic unrent (shown by Mr. Fox's experiments to exist, or whether the material really forms a part in minute proportions of the surrounding rock, and a brought together by the electric current. In the experime

om that to the sulphuret and ruby silver. No. 2, shows the chi rming a cross-course in the Callington Mines, the quartz having and he had observed the same effect in the highly-stratified clay-si

From that to the sulphuret and ruby silver. No. 2, shows the character of the quarts' forming a cross-course in the Callington Mines, the quarts having facings of ruby alver; and he had observed the same effect in the highly-artified clay-slate, forming one of the walls of the argentiferous deposits of Wheal Mexico, in the sastern part of the occurs, which was all the control of the walls of the argentiferous deposits of Wheal Mexico, in the sastern part of the county. No. 3, he said, formed a part of the exterior of a bunch of silver ore, and is curious as being composed of clay ironatone, with carbonate of fron, blende, and gray after. He was a state of the control of th

Mr. W. J. Heawood, F.R.S., F.G.S., chief commissioner of the Gongo Soco and Bananal gold mines, and a member of the society. In this paper, the author pointed out the differences between the characters and qualities of the cliuvial and alluvial gold of Brazil and instituted a comparison between the former and the stream tin-ore of Cornwall.

and instituted a comparison between the former and the stream tin-ore of Corawall.

ELECTRIC TELEGRAPH.—Mr. Little, in giving an explanation of this apparatus as patented by Messrs. Brett and Little, first called attention to the improvement in the voltatic battery. On the principle developed in their apparatus, the battery would keep in uniform action 12 months, while on the old principle it would not do so for as many hours. He also explained that the indicators were perfectly free from vibration, whereas in the telegraphs in use there was often a confusing vibration. The next improvement he described was that of the insulators, which are bell shaped, and secured on the top of an iron bracket in such a manner that connection between the wire and post is entirely prevented, and all possibility of a circuit with the earth cut off.

RAILWAY IMPROVEMENTS—EXAMINING COMMITTEE.

[We have been requested to publish the following letter, as "containing some suggestions worthy greater publicity than they might obtain through the original channe of their appearance"—the Manchester Examiner.]

RAILWAY IMPROVEMENTS—EXAMINING COMBINITIES.

(We have been requisited to publish the following letter, as "containing some suggestions worthy greater publicity than they might obtain through the original channel of their appearance"—the Manchester Examiner.]

Stra.—Whenever a railway accident unfortunately occurs, sympathy for the sufferers naturally rouses philanthropic minds to invent plans for the prevention of similar accidents in future. Columns of the public press are continually crowded with suggestions for this laudable purpose, and many of them are good and practicable, yet how seldom we hear of any of them being adopted, or even entertained. It is quite ovident that little, if any, improvement has been made, either in the construction of railway carriages, or the method of conducting the trains, since their introduction into this country. This may seem astonishing to persons who are not aware of the onerous duties which devolve upon all the readest engineers of the different lines; but I am perfectly satisfied they have not time either to invent remedies themselves, or to consider the numerous suggestions of others by which they are continually inundated.

The only remedy I can propose for this state of things would be, for Parliament to appoint a competent tribunal, with power to examine all inventions for increasing the asfery of railway travelling, deciding upon their respective merits, and awarding grapession to such a serious serious of the serious serious and the serious serious serious and the serious seriou

is carcely necessary to add, that the guard, with a communication in the carriages. It is carcely necessary to add, that the guards should have convenient glared boxes, to shelter them from the weather.

Self-acting road signals might also be invented, by which, in case of obstruction, the train should warn linelf of the danger, by having wires placed along the rails, with ratchet wheels and levere connected to stationary bells, fixed at certain distances on the electric telegraph posts. I am afraid I have made this communication already too long for your convenience, or I would pursue it much further; because I know many will say it is not sufficiently explicit to be reduced to practice; but I have left lithographed plans and specifications with Mr. Hepworth, railway waggon builder, Pendelton, near Manchester, who will furnish them, grafts, to any person connected with railways on application, either personally, or, by letter, post-pald.—E. J. Hoenes: October 4.

Self-a-Acting Railway Berak.—One of the most interesting objects exhibited at the conversazione of the Literary and Philosophical Society, on Tuesday night, was a model of the self-acting railway break, invented by Mr. R. Ayre, of Newcastle. Every one knows, that when a socomotive engine brings up or slackens its speed, the waggons come bumping against each other—and that, when the enging goes a-head again, the train extends itself as before. Mr. Ayre has contrived a simple piece of machinery, by which, as the waggons approach each other when the steam's solution, a break is applied to every wheel of the whole train; and, as the waggons separate, the break is withdrawn. There is considerable merit, it seems to us, in Mr. Ayre's invention; and not the least of its recommendations is its simplicity. How far the device is likely to bear the wear and tear of everyday traffic, it is for more competent critical than ourselves to decide; but we truet that the railway world will give it their candid consideration. If it should be fund to answer its intended p

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Mining Correspondence.

ENGLISH MINES.

ENGLISH MINES.

BARRISTOWN.—The shaft on the Slob is going down but slowly; owing to a change in the ground it is now much harder; the branches are gone through the shaft to the north side. The men in the rise in the 18 fm. level, against this shaft, have discovered a lode about 3ft. wide, mixed with lead and white iron; we have not seen enough of it yet to report its value. The lode in the wince behind this end, is still getting larger—about 1 ft. wide, with a solid branch of lead, about 3 in. wide, still taking down almost perpendicucularly, and worth about 9L per fm.; the rise over is at present poor. The part of the lode working under the 18 fm. level is not aliogether so wellas has reported—worth, at present, from 12L to 14L per fm.; the lode in the same level end east, is still very poor, and in unsetfled ground. We have had a very nice discovery of ore, during the last week, behind the 12 fm. level end, which I hope will continue away west; the lode is 8 fx. wide, and worth from 16L to 20L per fm.—it is at the junction of the main and middle lode. The stopes on the middle lode, east and west, in the bottem of the 12 fm. level, continues the middle lode, east and west, in the bottem of the 12 fm. level, continues much the same—worth about 10L per fm. The piches, on the whole, look a little better. We have nothing new in the adit end oast.—October 8.

BEDFORD UNITED.—At Wheal Marquis, the lode in the 90 fm. level, east and west, is 2ft. wide, and worth about 50L per fm. The lode in the 80 fm. level, and 15 fm. level east is still 8 ft. wide—aving work. The lode in Hooper's rise, in the 50f fm. level, is 15 fm. level, when the west of the work of the middle lovel, and good stones of ore; and in the rise in this level, the lode is 16 fm. wide—aving work. The lode in Hooper's rise, in the south engineshaft, is 25 ft. wide, composed of spar, mundic, and ore; and in the adit level east, the lode is 18 fm. wide—saving work. The lode in Hooper's rise, in the south engineshaft, is 25 ft. wide, composed of spar, mu

the increase, and our stamps are all working very actively—so that we may safely calculate on an increase on this quantity of tin during the ensuing month.—Oct. 11.

CUBERT SILVER-LEAD.—The lode going west, in the 35 fm. level, is 3ft. wide, very wet and hard—worth about half a ton of lead ore per fm.; in the eastern end the lode is 1 ft. wide, composed of soft spar, mundic, and lead—promising end. In the 25 fm. level, driving west, the lode is 2 ft. wide—a very kindly level, and worth from a half to two-thirds of a ton of ore per fm.; in going east, in this level, the lode is 1 ft. wide, producing stones of lead. In the 15 fm. level west the lode is 1 ft. wide, producing stones of lead. In the 15 fm. level west the lode is 1 ft. wide, producing stones of lead. In the 15 fm. level west the lode is 1 ft. wide, and will produce one-third of a ton of lead per fm. All other places are much the same as before reported.—Oct. 8.

DEVON AND COURTENAY CONSOLS.—Oct. 5.—The lode in the 30 fm. level, driving west, is 2 ft. wide, composed of spar, mundic, and spots of ore; in the end, driving east, in this same level, the lode is 3 ft. wide, containing a quantity of peach, mundic, and spot after the deep addit level is 20 in, wide, composed of soft spar, mundic, and good stones of copper ore. In the shallow adit level, on the north lode, east of the flat-rod shaft, the lode is 2 ft. wide, coft the shallow adit level, on the north lode, is looking well. In the engine-shaft we have intersected some branches of spar, containing copper ore, underlaying towards the lode.—Oct. 12.—The lode in the 30 fm. level, driving west from engine-shaft, is 2 ft. wide, containing branches of spar, mundic, and stones of ore, are are now about 8 fms. west of the cross-course; the lode in the 30 fm. level east continues very large, composed almost entirely of mundic and peach; but, as it is intended to sink the engine-shaft, and cat the lode at a desper level, this and is suspended for the present. The lode in the a0 fm. level is 2 ft. wide, com

in the engine-shaft is composed of killas, with some layers of spar; its depth about 6 fms. below the 30 fm. level.

EAST ALVENNEY.—The lode in the shaft is improving very fast. We have discovered another branch of tin, on the morth side of the shaft, about 2½ in solid; the south branches growing larger as they go down, and the elvan coming in more. Capt. Spargo says, it is worth from 701. to 801, per fm. for sinking in the shaft. We have from 7 to 9 in. of solid crop tin in the shaft.

EAST CROWNDALE.—The ground in our engine-shaft continues just as when last reported upon; we continue to break good stones and spots of ore in branches of spar, which runs through the killas; next week we shall get all necessary work done, to commence driving to cut the north lode, which we expect to do in about 9 ft. driving—that is, if the lode keeps the same underlie as when the shaft passed through it at Rix Hill sdit level; driving west, the appearance of the lode is not quite so good as last week, the lode being smaller in the back, though it keeps just the same size in bottom of the end, it is, on an average, about 15 in. w.de, composed of peach, mundic, spar, killas, and spots of tin. We have not as yet finished the plat, but hope to have all things in readiness to begin to sink about the middle of next week, on a good bunch of tin gone down below the adit level. Our engine and pitwork in good order.

GREAT MICHELL CONSOLS.—The sumpmen have been, and still are, engaged opening a 35 fm. level, east of the sump winze, as well as sinking below the lode; the level is full 5½ ft. wide, 4 ft. of which is a good course of ore—worth 30t per fm.; and in the present bottom of the winze, the lode is about the same width; and, for 4½ ft. in length, towards the east end thereof, there is a good lode—worth full 30t, per fm. dipping west, as we had at first expected, and promising further improvement. In the 35 fm. level, west from the winze, the lode, for the whole width of the end, is very promising, containing mundic, par, peach, an

promising end; on the whole, our prespects are very good.—Oct. 12.

GREAT WHEAL MARTHA.—The lode in the 40 fm. level east is 5 ft. big-carrying two well-defined walls, composed of spar and mundic, impregnated with copper; and, as the capel is wearing out, there is no doubt of its making an abundance of ore in depth.—Oct. 2.

HERODSCOMBE.—We have cut the lode in the 12 fm. level; and I have waited to send you these particulars; it is about 20 in. wide, and poor, like the ground over it in the adit, but is of a softer character, and containing a great deal more mundic—which is, so far, a favourable change. We are now putting in air pipes, to supply air to the men, who will then be able to drive; and we hope soon to reach the ore ground. It is worthy of resmark, that scarcely any water has flowed from the lode.—Oct. 14.

HERODSFOOT.—This mine is looking very well in every part. We have now a full supply of water for our drawing machine, but have not been, as yet, able to gain much on the accamulated rubbish underground; notwithstanding this, however, we shall raise 40 tons of one this month—which will make our next sampling 70 tons; and we can undertake to promise, at least, 100 tons, as November and December produce, with every indication of increase.—Oct. 14.

HOLMBUSH.—The ground in the diagonal shaft, sinking below the 120 fm.

reace.—Oct. 14.

HOLMBUSH.—The ground in the diagonal shaft, sinking below the 120 fm. level, is still favourable; the lode in the 120 fm. level, west of the great cross-course, is still in a disordered state, rendered so by several small cross-course, and we think by the slide. The lode in the 110 fm. level south is 20 in. wide, composed of flockan and stones of lead, with favourable ground. The lode in the 100 fm. level south is 2½ ft. wide, composed of soft spar and lead, worth 101. per fm., with a beautiful white killse strata on each side of it; the pitches,

in the back of this level, are producing a fair quantity of lead to make the men's wages in their tribute. The lode in the 90 fm. level south is 2 ft. wide, composed of flookan, spar, and lead—ground favourable for driving.—Oct. 12.

KIRKCUDBRIGHTSHIRE.—The lode in the 50 fm. end west is 3 ft. wide, producing half a ton of lead per fm. The lode in the 60 fm. end west is 4 ft. wide producing stones of lead, but not rich; the stopes in the back of this level are producing 1½ ton per fm. The lode in the 30 end west is 4 ft. wide —worth 151. per fm., and likely to do better; the rise in the back of this level is producing three-fourths of a ton per fm., as also the stopes in the back of this level 1 ton of lead per fm.; the stopes in back of this level is also producing 1 ton per fm.—the same will apply to the stopes under the 30 fm. level. The stopes in the bottom of the 20 fm. level, yielding 4ths of a ton per fm. I am happy to state, that our crashing machine and 20-ft. wheel works splendidly; and we contemplate on turning our attention to attach the jigging machinery to the same wheel. We have engaged the vessel Clauschloudown, Capt. Nay, to ship our ore on the 12th—computed 43 tons. Sinking Reith's shaft, by 9 men, we have discovered the rock, but not the lode—we are now extending south to find it.—Oct. 9.

LEWIS.—The sumpmen have fixed the new lift in the 60 fm. level, and will

find it.—Oct. 9.

LEWIS.—The sumpmen have fixed the new lift in the 60 fm. level, and will set it to work this afternoon, so that they will commence sinking below the 60 on Monday next; the lode in the above shaft is split, but, from its appearance, will intersect in about 8 fathoms sinking; and, if the intersection in the shaft proves as favourable as it did in the 60, east of the above shaft, we shall then have a good lode; the lode in the 60 ead, east of the shaft, is much the same as when last reported; the ground in the cross-cut, south of the 60, west of sump whim-shaft, is favourable; I hope it will be atill more favourable when we get in and cut the south branch. The lode in the 50 east is not so promising as it was last week, but in a disordered state; the lode in the 50 east, on south branch, its in. wide, worth 20. per fm.—better than ever I saw it before—just now, on the cross-cut coming in at the 60. All other places are much the same as when last reported.—Oct. 9.

SILVER VALLEY.—The ground in the engine-shaft is favourable for

now, on the cross-cut coming in at the 60. All other places are much the same as when last reported.—Oct. 9.

SILVER VALLEY.—The ground in the engine-shaft is favourable for sinking; the north branch of the tin lode, in the 50 fm. level end west, is 1 ft. wide, composed of capel and peach, and contains some tin; this branch, in the 50 end east, is 18 in. wide, being of the same composition, and tinny throughout. We expect, in about 3 fms. east, this branch will interesect the south one, when the effects of the junction will be seen. At the silver mine, the lode in 30 fm. level end west, is in two parts—the footwall branch is 10 in. wide, principally flookan, with mundic interspersed; the hanging wall branch is 9 in. wide, consisting of mundic, peach, carbonate of iron, and quartz, and produces small portions of silver. We have commenced a rise in the back of this level, designed to gain a little west under the shoot of silver ground, in the 20, in order to vontilate this level, and give a better advantage for stoping; the lode, in the 20 fm. level end west, is 16 in. wide, composed principally of flookan and mundic; the lode in the rise, in the back of this level, produces a little work of inferior quality; the stope, in the bottom, produces occasionally stones, containing grey, ruby, and native silver.—Oct. 12.

SOUTH DOLCOATH.—We have commenced driving west, in the 40 fm.

containing grey, ruby, and native silver.—Oct. 12.

SOUTH DOLCOATH.—We have commenced driving west, in the 40 fm. level, where the lode is 2 ft. wide, composed of strong iron, gossan, mundic, and quartz, with some fluor-spar—very kindly. The lode in the 20 fm. level west is 3 ft. wide, composed of iron, mundic, quartz, and spots of copper ore, with something else, which I know not what to call—it may be chromate of iron, or something more valuable—I shall be able to tell you more about it in a short time; at any rate, it is a very promising lode, which we are saying to itself.—Oct. 11.

itself.—Oct. 11.

SOUTH WHEAL MARIA.—The lode in the 20 fm, level west is from 2 to 2½ ft. big, and continues to yield some good ore; and as we are approaching the caunter lode, I have no doubt but that it will go on improving. The ground in the cross-cut north is without any alteration; at the speed we are now driving in this direction, it will take about two months more to reach the north lode.—October 14.

the eaunter lode, I have no doubt but that it will go on improving. The ground in the cross-cut north is without any alteration; at the speed we are now driving in this direction, it will take about two months more to reach the north lode.—October 13.

SOUTH WHEAL TRELAWNEY.—I beg to send you a report of the above mine. Snell's engine-shaft is in course of sinking with nine men; down in the 14 fins. under adit, ground favourable—water a little quick.

TAMAR SILVER-LEAD.—In the engine-shaft the lode is 1th. wide, carrying a small leader of ore. In the 160 fin. level, driving south, we have not broken any lode since my last report, nor in the end driving north; this level. In the 136 end south the lode is 1th. wide, carrying two branches of ore; in the same level, driving north, the lode is small and poor. In the 135 fin. end the lode is from 3 ft. to 4 ft. wide. carrying two branches of ore; in the same level, driving north, the lode is small and poor. In the 135 fin. end the lode is from 3 ft. to 4 ft. wide. carrying two branches of ore; in the 126 fin. level the lode is small and poor. In the 135 fin. end the lode is from 3 ft. to 4 ft. wide. carrying two branches of ore; in the 136 fin. level the lode is small and poor. In the 125 fin. end the lode is from 3 ft. to 4 ft. wide. carrying two branches of the 13 ft. wide, small continuing to produce some good work. In the 60 fin. level lie lode is 2 ftet wide, composed of ean, mundie, and ore. We sampled on the 2d inst., 88 tons 14 cwts. 2 gas. a silver-lead ore. Oct. 11.

TINCROFT.—There has no improvement taken place in either of the ends in the 100 fm. level since last report. The lode in the 90 east is 4 ft. wide, with occasional stones of ore; the lode in the 90 west is 20 in. wide, producing some tinstuff; the lode in the 80 west is 30 in. wide, producing some tinstuff; the lode in the 80 west is 30 in. wide, producing some tinstuff; the lode in the 80 west is 30 in. wide, with way in the 10 ft. with a ft. wide, with correction of the 10 ft. with the 10 ft.

with stones of ore, not to value. Ane new anate or when the considerable ground.

WEST WHEAL JEWEL.—In the 57 fm. level, east of Williama's cross-course, on Wheal Jewel lode, the lode is 15 in. wide, worth 64. per fm.; ditto west, on the same lode, the lode is not taken down in the past week. In the 30 fm. level, west of Quarry shaft, on Tolcarne tin lode, the lode is 15 in. wide, worth 64. per fm. In the 12 fm. level, west of Quarry shaft, on the same lode, the lode is 1 ft. wide, worth 54. per fm.; in the adit end, west of Quarry shaft, on the year lode, the lode is 15 in. wide, worth 84. per fm.; in the stopes, east of Pryor's winze, in the bottom of the adit, on the same lode, the lode is 4 ft. wide, worth 304. per fm.—Oct. 11.

WHOM WHEAT MADIA—The assers approach aft is down below the

wate, worth 30t. per m.; in the shallow and end, west of Quarry shall, on the same lode, the lode is 1 ft. wide, worth 4t. per fin.—Oct. 11.

WEST WHEAL MARIA.—The eastern engine-shaft is down below the 38 fm. level about 8 ft., where we intend to cut bearer holes, put in bearer gardelisters, and fix lift; the lode in this shaft is 3 ft. wide, producing good atones of ore.—a very promising looking lode; in this lovel, west of the shaft, the lote is 5 ft. wide, with good stones of ore, and promising further improvement. In the western engine-shaft the sampmen have been engaged (clearing the last week) in-dividing and casing the shaft, putting in penthouse, &c., in the 64 fm. level, preparatory to sinking under this bearer and cistern, which we hope to continue to morrow. The lode in the 54 fm. level, east of this shaft, is about 5 ft. wide, producing a little ore in places; in the cross-cut south, in this level, there is no important alteration.—Oct. 12.

WHEAL ADAMS.—Harewith I beg to hand you our satting sheet for October month, by which you will perceive we have turned our attention to those parts where ones of different kinds can be raised, and have suspended operations more particularly in those places where immediate returns cannot be obtained. The lode in the rise, in the 50 fm. level, continues large; but it does not contain quite as much lead as last reported. We are now sinking on this part, in the 40, and expect to make a communication to-mocrow, when we propose not only to resume raising jack, but to rise against Tonking's winze, sunk on the 40, on the eastern lode, and which was suspended in consequence of the water having been too powerful for manual labour, and, as

soon as this is effected, to endeavour to clear and secure the level, extended on the western lode, and thus lay open productive ground, which has for such a length of time remained unexplored. The 28, on the western lode, has been timbered, and four men has taken to work the ground on tribute, at 10s. in the 11, on the value of the lead only. We have also cleared the 18 fm. lavel, and, having reached ground, two men are fixed to raise gossan, containing sufficient metal to pay for returning; this may also lead to other discoveries, as I have been informed much whole ground is standing in this direction. The gossan raised from the eastern lode, in this level, last week, produces, by my assay—zine, 78 per cent.; copper, 28 per cent.; silver, 17 ozs. 10 dwts. 9 grs. in a ton of ore.—Oct. 12

assay—zinc, 7½ per cent.; copper, 2½ per cent.; silver, 17 ozs. 10 dwts. 9 grs. in a ton of ore.—Oct. 12
WHEAL TRELAWNEY.—In the 52 fm. level north the lode is large, and worth 12L per fm.; in the same level south the lode is smaller, and not so good as when last reported, worth, at present, 7L per fm. The 42 end south is worth 10L per fm.; the winze sinking under, and stopes in back, are much the same as was last reported. The lode in the 32 end north is increased in size, and worth 8L per fm.; stopes in back are similar to the former report. The stopes in the bottom of the 22 fm. level are looking well. We have about 6 ft. more to sink in Trelawney's shaft before we get to the 42, where we intend to drive a cross-cut to the lode, which, I expect, will be accomplished before the 42 fm. level, in Phillip's shaft, is driven as far north as Trelawney's shaft. At Vivian's shaft the 22 fm. level is suspended for the time, for want of air; the stopes in the back are poor at present. The winze is sunk about 9 fathoms below this level, and came to water. From the bottom of the winze we have commenced driving north, where the lode is 4 ft. wide, and much improved, worth at present from 10t. to 12t per fm. Trelanae, in the 30 fm. level, which is about 2 fms. deeper than our winze, is much harder than was expected-consequently, we shall not have the benefit of it so soon as was anticipated.

FOREIGN MINES.

ANGLO-MEXICAN MINES.—Owing to the early departure of the packet from Vera Crus, Mr. Brough was not able to get ready in time his monthly dispatches. He mentions, that the mine of Asuncion had again left some loss on the month's workings, and that Sirean (from which no profit had been received for a long period) had been surrendered into the owner's hands, so as to free the company from all liability as to that mine.

ceived for a long period) had been surrendered into the owner's hands, so as to free the company from all liability as to that mine.

BAROSSA RANGE MINES (SOUTH AUSTRALIA)—Advices have been received from the agents of this company, extracts from which we are pleased to be able to lay before our readers. The prospects of this company appear more encouraging than of any other, and, we understand, the shares are at a considerable premium. Capt. Rodds, the managing agent, writes under date March 15:—"We have now taken possession of the Greenock Creek Mine, in which there is a good prospect, and which, I think, will pay well. The sett is composed of three sections, of 80 access each; we have the length of the lodes for two sections, in which they have cut three lodes, and very good copper ore has been risen—one is sunk on for about 29 fms., making from surface, to about 19 fms. deep, the blue carbonate of copper, also the grey sulphuret, with the red oxide of copper; but, from the 19 fms. downwards, it makes the gray and the yellow copper ore, and of very good quality. Another of the lodes has been sunk on for about 4 fms.; this has rich grey and yellow ores. The third lode is lately cut; it is a fine blue carbonate, about 3 fm. wide near the surface, and is connected and heaved about 12 fms. by a fine slide, which I like to see, as it is similar to the flookan, or slides, at the Burra Burra." Another letter to the directors, dated 27th March, and written by Mr. Angus, gives particulars of the above mine, as to its favourable locality, for transit of ores, &c., from which we extract:—"It is in a good locality (say nine miles from Gawler Town, with a splendid road to the port. The indications are very good, some tons of ore already raised, and the working grounds similar to Kapunda—soft and micaesous, and in the same run of atrata. The ores are varied, and of good quality." Besides this mine, we are informed the company have sections, holding out equally favourable prospects in the Mount Barker district, and adjoinin

COLOMBIAN MINES .- Extracts from dispatches, received on 8th inst. :

Mount Barker district, and adjoining the rich mine of Kanmuntoo.

COLOMBIAN MINES.—Extracts from dispatches, received on 8th inst.:—
MINE REFORT FOR JUNE.—Fantane Mine: ground good for driving—lode better. Clen
Pesor: discontinued—rather poor at present. Cumba: good clean ore, and good for
driving. Candado: a good fine lode. Cambura: a good lode is cut, and looks better for
improving. San Antonio: the end of the lode discovered—good ore. Hinguworths Level
lode good, but very hard. Hurry's Rise: lode better for rising and for ore. Defiance
Level: clean, good cased). Edward's Level: a good lode—clean ore. Ritchie's Level
and excellent lode, nearly 4 feet wide, of clean auriterous pyrites, is cut in the west end of
this level, and there is every appearance that shortly many thousand tons of ore will be
laid open in this station. Quiebralomo Mine: ground favourable for driving—air very
confined. Ove raised: 965 tons. —We have laid open, in the San Prancisco, at least
600 tons of good ore, at a cost of 102. —We have laid open, in the San Prancisco, at least
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Froduce from Cocaes, 3 mks. 5 ozs. 7 Gas. 4 agrs.; Custas, 5 mks. 5 ozs. 1 mpERIAI. BRAZILIAN MINES.—Gosgo Soco, August 8.—I regret that the Gongo Mine presents nothing new; and, as the captain's report has been a most meagre and uninteresting document for a long time past, without hope of present improvement, and as three of your four captains must remain at Bananai, I hope yes will not disapprove of our having our faitare Gongo reports monthly ones.—only until say improvement may render the present frequency again destrable. At Bananai, I hope yes will respect to the 28th ult., we have been occupied in securing the ground we had previously passed through. I will add, in a posteript, news of our proceedings to the lest moment. I regret that our estimate of the value of what we had previously extracted was an exaggrated one, owing to our inexperience of the nature of the gold and its matrix. You will see this we have obtained only about 14½ bis., instead of 40, as we had hoped.

P.S.—Banasad, August 4. 3 r M.—I have this moment left the bottom of the mine. I we have taken out three boxes full of work, and a fourth is nearly so; the work, however, is not very rich, nor is the vein at this moment left the bottom of the mine was the confidence of our hopes, as 1 looks kindly, and, while I write, we are continuing to take out gold.

Gongo Soco, August 9.—During the night of the 3d, we continued to break gold at BaGongo Soco, August 9.—During the night of the 3d, we continued to break gold at Ba-

with gold: this, however, we fully believe is but temporary, and by no means diminishes the confidence of our hopes, est it looks kindly, and, while I write, we are continuing to take out gold.

Gongo Sco., August 9—During the night of the 3d, we continued to break gold at Bananal, so that the box, partly filled when my letter closed, was entirely so, and another in like manner—making, in the whole, five boxes of work since the gold returns were closed. We had by that time excayated the vein as far as possible; and before more could be done to it, the contiguous stone would have to be remered, and the recks adjoining supported with timber, so that we do not expect to touch the vean again until to-morrow. Two of the above-mentioned five boxes have been washed, and have given 4 its. I.oz. 12 dwin, of gold; the other three, which are here, are thought to be sone-what better—they will also be cleaned to-day. We left the vein gold; the content of the vein gold; the other three, which are here, are thought to be sone-what better—they will also be cleaned to-day. We left the vein gold; throughout for about 4 feet long, but it is rather narrower than it was at first; this alteration does not, however, at all discourage us, as we believe it only one of the variations common to veins of every description, and the mineral character continues to be highly flattering.

August 13—I regret to say, Geage Mine prosents nothing worthy of solice. On the 5th inst, I requested all your captains to prepare a statement, for transmission to you, of their opinious relative to further trials, and their suggestions for the most benedical arrangement of our now greatly reduced force, having especial regard to the employment of the women and children, for whom no excommonation can be prepared at Bananal during the present year. It will, probably, require 15 or 20 days for them to prepare this document, for they are proceeding repulsify, in they are prepared at Bananal on the 9th inst. The adit is proceeding repulsify, in they are prepared

ality to rather inferior to se vein as far as the wat

From Gongo, Aug. 3 to 12 ... 10 4 0 7 0 ... 11 12 0 From Bananal, Aug. 5 ... 12 ... 11 ... 12 ... 12 ... 12 ... 12 ... 12 ... 12 ... 12 ... 12 ... 13 ... 14 ... 14 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15 ... 15

£2009 43 T Those costs are rather heavier than anticipated in my latter of \$th July, having then emitted to calculate (as I should have done) on the Rio agent's charge, made every two menths, for commissions on gold shipments, &c., and which swells the present cost by Rs. 1204; bedies which, salaries and labour sigure for about Rs. 1000 more than the preceding menth, partly owing to the diminished rate of exchange (which swells the amount of milities appearing date to the English enablishment), partly to increased overtime, and partly to the native pay being for five weeks, against four weeks in June. Still has storling amount of this menth's cost is 804, less than in June; and I trust the profit for July will prove anticalcory to the board.

July will prove antidactory to the board.

Hines.—Captain Treloar's monthly report for July, which you will receive herowith, es his usual clear statement of his operations; from which you will see, that, activities and many temporary impediments, everything is in as satisfactory a state as could re been hoped for.

nave been noped for.

Extension of Wastern Lods — This exploration is also pushed forward with activity ut it is as yet too early to form any opinion as to the result.

COMPANY OF COPPER MINERS IN ENGLAND. X

A special general meeting of the Governor and Company of Copper Miners in England was held at their offices, Castle Baynard, on Wednesday, 18th inst.,—
J. H. Pelly, Esq., in the chair,—the particulars of which (inasmuch as they involve the announcement of a recent loan to the company of upwards of a quarter of a million, at 5 per cent., by the Bank of England, together with the extent to which the concern sustains loss by the failure of its governor, Mr. Gower) tent to which the concern sustains lo will attract considerable attention.

At the commencement of the proceedings, it was stated, that, in consequence of the present position of the affairs of the company, it was considered necessary to recommend a temporary suspension of the dividends, both upon the old and the preference shares; and the general reasons for this course, as well as a detail of the financial measures adopted by the court of assistants, with the view of removing existing difficulties, will be found in the following documents, which were circulated among the proprietors:—

At a special General Court of the Greener and Company of Court Miners in England.

cisl General Court of the Governor and Company of Copper Miners in Englar r their office, at Castle Bayaard, on the 18th of Oct., 1847, the following spee silvered to the Court by the Deputy-Governor, John Henry Pelly, Esq.:—

nest ar their office, at Castle Haynard, on the 18th of Oct., 1847, the following speech was delivered to the Court by the Deputy-Governor, John Henry Pelly, Esq. :—
GENTERREN,—The court of assistants have caused this special general court to be nummoned, for the purpose—fartly, of carrying out an arrangement with the Bank of England; and, secondly, laying before the proprietors the present position and prospects of the occapany. The court regret to have is announce the retirement of the lake governor,
A. L. Gower, Esq. and of G. S. Walters, Esq., and William Little, Esq., from the court of assistants. The circumstances which have rendered these vacancies unavoidable, are already known to the proprietors. It is proposed to call a special general court shortly to fill them up, when parties will, probably, come forward as candidates, whose names will be highly satisfactory to the shareholders. The court official was sufficiently large among market, and the numerous failures in the commercial world, that the financial position of the company was becoming a very difficult one, thought it right to summon, to a conference, the preference shareholders, for the purpose of raising a sufficiently large sum of money to relieve the company—but this measure was not attended with adequate success. The court of assistants then opened a cognision with the Bank of Engisted for a loan, on the security of the company's property in Wales, which, it am happy to any, has been havought to a successful issue. The bank has agreed to make an advance of \$70,000, at 5 per cent., of which 180,000 will liquidate engagements of this company, already in the hands of that corporation, and the remaining 180,000 will come into the company's possession in cash. A resolution will be proposed for your adoption, to authories the court of assistants to carry this arrangement from effect. When this special business has been disposed of, I will call upon the secretary to read a resport, which has been prepared by the court of assistants for over inform

Reports by the Court of Assistants, for the information of the Special General Court of Pragrictors, summoned for Wednesday, October 13, 1847;—

Since the annual general court of the 7th of April last, the attention of the court of assistants has continued to be given to the best mode of reaping the advantages contemplated from the increase of capital and extension of our works, and they are able to report that, is a very great degree, those expected benefits have been realized by the present productive state of these works, and by the diminution of the floating debt of the company. The proprictors will bear in mind that it was stated by the governor in April, that the court of assistants having accomplished the object immediately in view, considerably within the limits you voted, had discontinued the issue of preference shares; and, afterwards, the court considered they were consulting the interests of the proprietors by converting into debeniares at 10 years' date, bearing interest at the rate of 5 percent, per annum, such preference shares as the holders thereof were destrous of commuting at par. Subsequent events, however, have, as is well-known, paralysed the usual sources of nonetary accessmediation; and, amongst others, the pressure fell upon this company to an extent which induced the court of assistants is call to a conference the holders of preference shares, as parties most immediately interested, to raise the funds necessary to carry on the business of the company, either by an issue of the rouninder of the preference shares authorised, or by an advance on debentures. The appeal, however, was fruitions, and the court can only express its regret at the circumstance. It then became essential that the court of assistants should take immediate steps for preventing the loss of property which was impending; and an arrangement has been made with the Bank of England, by which the existing Habrities of the company will be extinguished to the extent of 150,0001, and a loan in cash of 120,0000, and he was easi

al stock

Fixed property—
Cost to Sept. 30, 1846, £735,000
Laid out since...... 50,000-

Total£1,415,000 The court of assistants, anxious to inform itself thoroughly as to the prospects of the ompany, deputed a committee to proceed to Cwm Avon in the month of June last; and orm the report of that committee, the court satisfied itself that the prospective income of he company, arising out of the successful carrying forward of its works, would be sufciously to the court engagements—to pay off gradually all the debts of the orporation—leaving the property of the company, at no distant period, free from hecumrance, for the benefit of the shareholders.

The reading of these statements appeared to occasion much surprise, especially when they were contrasted with the flattering accounts furnished not

The reading of these statements appeared to occasion much surprise, especially when they were contrasted with the flattering accounts furnished not more than six months back, and to which Mr. R. W. Camdex, who took the initiative in the discussion, forcibly directed the attention of the proprietors. There seemed, on the part of the majority of those present, every inclination to afford the directors credit for the best intentions; but many, nevertheless, intimated a strong desire to ascertain the real nature of the circumstances that could, in the space of one half-year, have brought about so extraordinary a change. Of course, the sasistance rendered by the bank, in the shape of the specified advance, was regarded as indicative of the strength of the credit of the company, and a vote was unanimously passed, authorising the court of assistants to complete the arrangement.

On the subject of general prospects, it transpired, that the debt due from Messrs. Gower and Co. is under 20,000t., and also that arrears of calls on old shares exist to the extent of 60,000t.—come of the directors figuring in the list of non-payments. With reference to these arrears, it was suggested, that, if the court, under their charter, do not possess the necessary power to enforce such claims, they should, at least, take steps at once to declare the forfeiture of Thoubares, in order that all parties might stand on an equality. To this point, and the preparation of a complete statement of accounts, so soon as they can the arranged, the court pledged themselves to give their immediate attention—life. Passar (the departy-governor) assuring the proprietors, that it was the earnest wish of himself and of his celleagues to set in a candid and straight-

edjournment was agreed to, the con at the earliest moment they could p detailed balance-sheet. If seemed it that after the accounts shall have be afferded by the bank shall have bee factory progress may be looked for.

KIRKCUDBRIGHTSHIRE MINING COMPANY.

A special general meeting of shareholders was held on Tuesday hat, the 13th anst, at the offices of the company. Birchin-lane.—C. Gutzry, Esq., in the chair.

The statement of accounts was presented, showing—balance against the mine on 13th July, 219. 13s. 10s.; July cost, 4377. 8s. 6d.; August, 4287. 6s. 3d.; July 13th July, 2182. 18s. 7d.; 30 tons 10 cwts. of lead ore, sold 26th August, 2307. 18s.; 40 tons 10 cwts. lead ore, sold 4th Oct., 3087. 13s. 10d.; steam-boiler sold, 38f.—leaving balance against the mine of 4867. 13s. 3d.—The following report was presented to the meeting:—"A greeable to your advice, I now beg to hand you a description of the present extent of our operations—occupying our attention since the leat general report of 10th July, and prospects for our future guidance. The engine-shaft has been sunk to the 50 fm. level, and that level driven west 5 fms. on the lode; in this and the lode is 8 ft. wide, producing stones of lead; this end is now the same distance from the shaft as that of the 30, where we discovered the junction of a caunter; and, from the nature of the lode in this end, I consider we are near the same junction which must be cross-cut into, from 4 to 5 fms. behind this end. We have a splendid course of ore, about 6 fms. in length, producing a tone and a half per fathor in the backs, and is equally as good; in going down there is also a branch of lead near the shaft, in the back of this level. The 80 fm. level has been driven 47 fms. west of the shaft; the lode in the end is 4ft. wide, and worth 161 per fms. for lead; we are seq opinione, that the course of ore driven through in the level, under the foregoing rise and stope, worth about, 1 ton of lead per fm., about 3 fms. in length. There is a less a course of lead going down in this level, under the foregoing rise and stope, worth about, 1 ton of lead per fm., there is also a course of lead going down in this level, under the foregoing rise and stope, worth about, 1 ton of lead per fm., there is a less a course of lead ground of shareholders was held on Tuesday last, the 12th pany, Birchin-land,—C. Gallers, Esq., in the chair. A special general meeting of shoust, at the offices of the company

STRAY PARK AND CAMBORNE VEAN MINING COMPANY.

STRAY PARK AND CAMBORNE VEAN MINING COMPANY.

A meeting of adventurers was held at the mines, on Friday, the 8th instant, when the accounts for four months, ending August 34, showing balance in favour of adventurers, amounting to 19984. 9s. 7d., having been examined, were allowed, and a dividend of 1L per share made.—Mr. Vawdry was empowered by the meeting to wait on Mr. Marriotta an early period, for the purpose of finally arranging matters relative to the immediate working of Wheal Francis sett.—The accounts showed:—Balance in hand Jane 18, 4392. 7s.; June 3, sale of 547 tons 13 cvts. copper ores, 2772L 10s. 10d.; Aug. 5, ditto 632 tons 9 cwts. 2 qra. ditto, 34144. 2s. 4d.; tinstaft, 134. 8s. 6d. = 66394. 4s. 5d.—Tuxork cost, 2079L 13s. 1d.; merchants' billa, 708L 19s. 4d.; tribute pay on ores sold, 877L 14s. 2d.; subsist advanced on above ores, 807L 1s. 8d.; lords' dues, 257L 15s. 7d.: leaving balance of 1908L 9s. 7d. in favour of the adventurers.

The following report from the agents was read to the meeting:—"In the 60 end west the lode is a fl. wide, containing stones of ore. In the 70 end west the lode is 1 fl. wide, containing stones of ore. In the 80 end west the lode is 1 fl. wide, containing stones of ore. In the 80 end west the lode is 1 fl. wide, worth 10L per fin.—In the 90 end west the lode is 3 fl. wide, worth 10L, per fin.—In the 90 end west the lode is 1 fl. wide, worth 10L, and has passed through a fine course of ore 5 fms. in length, and which is at ill improving. In the winze, sinking below the 90 fm. level, the lode is 1 fl. wide, containing stones of ore. In the 100 end west the lode is 2 fl. wide, worth 12L per fin. In the 110 end west the lode is 1 fl. wide, worth 12L per fin. In the 110 end west the lode is 1 fl. wide, worth 12L per fin. In the 120 end west the lode is 2 fl. wide, worth 12L per fin. In the 120 end west the lode is 8 in. wide, containing stones of ore. In the 150 end east we are cutting north to intersect the lode, and expert to meet with it in a few feat further diving—

ter than it did a month since, and will continue to improve."—Average gettings of miners in the above four months:—tutworkmen, 2l. 16s. 4d.; tributers, 3l. 1s. 8d.

CONDUMENOW bi-monthly account-meeting was held on Tuesday list, when the attacement of accounts for the two months was as follows:—By sale of copper and tin, 1168l. 7s.; cost for Aug. and Sopt., 1007l. 12s. 7d.: leaving a balance in favour of mine of 160l, 14s. 5d.; in addition to which the mine is greatly and generally improved.—[We have not received the official report, but hope to give it next week.]

West Wheat Fruktweek.]

West Wheat Fruktweek.]

West Wheat Fruktweek.]

West Wheat Fruktweek.]

West we have such the optain, was read at the meeting:—"Since our last meeting, we have such the engine-shaft 9 fm. 3 ft.; we should have sunk more had it not been for the decrease of the grass water; the ground in the shaft still continues a hard capel. Every effort has been made to obtain all the water we possibly can; but still there is a scarcity until the weather changes. I now propose to sink § ft. deeper, and then drive north and south to intersect the lodies; also, I beg to say, we shall then have to drive north about 13 fms., and south about 13 fms."

to intersect the today in a such about 13 fms."

XWHEAL ACLAND MINING COMPANY.—A meeting of adventurers was held at Parks's Inn, Newlyn, on Friday, the 6th inst., at which the accounts were-presented, showing balance due purser to end of January, 16t. 9s. 6d.; mine cost, from Feb. to Sept., 1521. 17s. 9d.—less 128t. by call, made March 3, leaves 41t. 7s. 3d. due to purser, with 18t, previous arrears.—59t. 7s. 3d.; to liquidate which, and for the further prosecution of the mine, a call of 2t. per share was made.—The purser was directed to take proceedings to recover arrears of cost, and to make such arrangements for their recovery, or for the relinquishment of the shares, as he may think desirable.

an hour afterwards, and then only by means of grappling irons, and, of course, test, from Feb. to Sept., 1521 17a. 3d.—less 1281, by call, made March 5, leaves 411. 7a. 3d. due to purser, wish 161. previous arrears—391. 7a. 3d.; to it quidate which, and for the further prosecution of the mine, a call of 21 per as here was made.—The purser was directed to take proceedings to recover arrears of cost, and to make such arrangements for their recovery, or for the retinquishment of the shares, as he may think desirable.

We have received further communications from parties holding sharps in the Green Valley Mine, which was abandoned altogether, along with the workings accounts were placed in the handsof a gentleman fully able to windup its affairs, and render a satisfactory account of his stewardship to the unfortunate share-bolders. We are advised that sume delay was occasioned by the obstinacy of the party who sold the actt, and realised a great premium, in refusing to pay calls due on his shares—which circumstance has afforded the "comptroller of this exchapter" an opportunity of "withdrawing from the bank the funds applicable for another dividend," and placing the same at interest. However, laudable the intention may appear, to procure a larger amount of interest for laudable the intention may appear, to procure a larger amount of interest for laudable the intention may appear, to procure a larger amount of interest for laudable the intention may appear, to procure a larger amount of interest for laudable the intention may appear, to procure a larger amount of interest for some at interest, and eight children to launch his loads.

Acting—As W. Harris and D. Lewis were sinking a pit for Mr. Thomas, of Wenney and Green which they deposited in the hole, not having ignited. Harris so dreadfully that he died on Saturday anorning. Lewis had his arms of stores, at one of the Plymouth levels, Merthyr.—David Thomas was so overely injured by a fall the shareholders, we very much question the propriety of leading the money

eding is fraught with injustice, and open to condemnation, and a stonished at the many complaints we have had on the subject free interested. We would certainly rather have the money, however, alanca, in our own possession, than, for the sake of 5 or even 10 per not astonished at the many security rather have the many parties interested. We would certainly rather have the many the balance, in our own possession, than, for the sake of 5 or even 10 per cepts to see it employed in working to a profit a mine in which we have no interest. The principle appears to us unfair; and, if he were the purser or shareholder of Wheal Mary Mine, we should consider it arose from interested motives; but, however, as an obstacle has presented itself, relative to the refunding the lean, we may have an early opportunity of explaining our opinion as to the manifest evils which must necessarily arise from such a precedent and followed in mining matters.

MINING NOTARILIA.

[astracts sees one commences.]

Callengton.—I was here last Thursday, and underground through this mine, and giad to find the prospects good; yesterday they broke a very fine stone of raby silver ore and silvery mundic, which weighs 5 cmt; and, as you are an adventurer in Holmbush, I am glad to tell you this was broken on the lead lode in the 190 fm. level, north mine, which, with the 90 and the two nearest ends, we are driving towards Holmbush. I had no time to see Holmbush, but heard good accounts.

CARADON WHEAL HOOPER.—I henr there is a demand for these shares; this, I presume, is partly to be ascribed to the lately improved prospects of Wheal Agar—the main lode of which mine runs through Caradon Wheal Hooper sett. It is said that Wheal Agar is on the eve of making a respectable appearance in the ticketing fist.

East ALVENNEY is situated to the eastward of South Harvenord.

EAST ALVENNEY is situated to the eastward of South Harvannah. Here these making some returns of good tinstuff, which the adventurers well deser as they are carrying on the operations with a considerable degree of spirit.

as they are carrying on the operations with a considerable degree of spirit.

Marke Vallex.—We are glad to find, that the operations in this mine are progressing favourably, and hold out every prospect of successful returns, after the many years' working and expenditure of capital. The next sale will be 250 tons, being 100 tons over the last sampling, of much the same quality as that previously raised. The present depth of the mine is 80 fathoms, at which point the workings are being carried on east—so as to come under the ore ground in the 65, on Marke's lode; the lode in the 80 fm. level being 2 ft. wide, and composed of can and mundic, with occasional stones of ore. In the 65, the workings are principally driving on the Sarum lode, in the eastern end, where the lode is large, worth 70l. per fm.; the western end, on the same lode, is worth 85l. per fm. The stopes, in the back of the 65, are worth 60c per fm. Winzes are being sunk on the same lode, from the 50 to the 65; and the lode in Fearon's winze, for the width carried, is worth 22. los, per fm. The stribute pitches, in addition to the preceding points of working, which are on tutwork bargains, continue much the same as when last reported; and the next sampling will be a considerable increase on the present.

Polaaled Consola.—Nothing new here as yet; time must be allowed for

work bargains, continue much the same as when last reported; and the next sampling will be a considerable increase on the present.

Poisairs Consola.—Nothing new here as yet; time must be allowed for sinking the shaft; when this is effected, and the lode cut, I am inclined to think the adventurers will not be disappointed. The appearances of the sld workings indicate that a rich deposit will be discovered near the shaft.

South Wheal Maria.—Hearing of some improvement in South Maria, and taking a short tour in that neighbourhood, I, a few days since, paid it a visit, and was much struck with the rich and large stenes of copper I saw taken from one of the many lodes in that sett. The late controversy in your columns, induced me to make observations as to the course of the lodes running into, and coming from, the Maria sett; and I concluded, by comparison of the killas, rich quality of the ore, and other appearances, that the able advocate of South Maria's claim to the lodes south of the Maria lode, and running west from the Fanny and Josiah Mines, in the Maria sett, certainly is right; and that if such lodes continue running west, they must pass through South Maria sett. At the least, South Maria has about as many lodes, and as promising, as any set I ever saw of the same extent—indeed, Nature sceme to have fixed on South Maria as a favourite spot for the crossing and meeting of the junctions of lodes, for there are appearances which no miner can be deceived in; and by the quality and quantity of copper already seen, South Maria will, I think, be a very productive mine. Much credit is due to the agents is the management, as the whole outlay, I learn, is less than 3000, with machinery, buildings, and shaft 30 fms. from grass, levels, &c., all paid for, and the mine free from debt I would recommend capitalists no longer to hearken to hearsay, buildings, and shaft 30 fms. from grass, levels, &c., all paid for, and the mine free from debt I would recommend capitalists no longer to hearken to hearsay, but go (as I ha

SOUTH HARVANNAH is decidedly looking upwards, some tribute pitches hav-ng already been set on the north lode. This lode was decidedly the favourite turing the last working, and produced some very rich bunches of tin ores.

during the last working, and produced some very rich bunches of tin ores.

ACCIDENTS.

Bradford Colliery.—J. Schofield, aged 12 years, employed as a waggoner, was standing at the bottom of one of the coal shafts in Bradford-road, and being anxious, it was said, to get away early in order to see the batloon ascent that afternoon, he shook the rope as a signal to the engineer to start the engine, so that he (deceased) might proceed with his work, and in so doing shock the brick-work about half-way up the shaft, when one of the bricks fell upon the deceased's skull, causing a deep fracture, forcing out one of his eyes, and inflicting other injuries: he was immediately conveyed out of the mine, but died even before he seached the top.

Davis's Colliery, the Lodge, West Bromwich.—As J. Green was engaged at work, a quantity of coal fell from the roof of the pit, and killed him.

Woler-hampton—Open Goal Pits.—We do hope the attention of the Legislature will be called to the diagraceful practice of leaving the mouths of coal pains totally unprotected. Scarcely a week passes but a life is sacrificed by the want of this simple precaution. On Thursday week, a coroner's jury assembled to inquire into a case of this nature, the party killed being a cowkeeper's son, named James Newman, 10 years old, who, it is supposed, was looking after some strayed cows on Monday evening, when he fell down an old unprotected pit, is a field adjoining the one in which the cows wore, and stated to belong to the Park Field Company. He was not found till the following morning, when he was discovered at the bottom of the pit, insensible, and dreadfully wounded. After lingering a couple of days the poor boy expired. The jury found the verdict to the effect—"That the deceased was found in the pit, but how be cause into the pit there was not sufficient evidence to show."—Eurainghass Journal.

Accident from an Open Fit, at Airdrie, Glasgow.—As the colliers were proceeding to their work, they found lying at the bottom to manyled bodies of three youn

WHEAL PROSPECT—MORVAH AND ZENNOR.

Sex—I occasionally see your valuable and ably-conducted Journal, and I am induced to take advantage of its extended circulation, for the purpose, if possible of elisting some information respecting two mining centerns in Cornwall, in which a friend of mine was induced to become an adventurer some 14 years ago. In the Wheal Prospect Mines, near Hayle, in Cornwall, he took 3-64th chares, nominally of 802 each, but, in reality, of 1202 each, for he paid 8602, in nine successive calls, of which sum he, however, received back 834, 10s. from the sale of the materials, leaving him a dead loss of 2742, 10s. principal money, besides interest thereen. In the Morvah and Zennor Tin Mines, near Pensance, he was at the same time prevailed upon to take 2-100th shares, upon which he paid no less than 12 calls, amounting together to the sum of 2682, of which sum he received back again only 122, from the sale of materials—leaving him minus 2562, exclusive of interest. Here, Mr. Editor, is a statement, showing a total loss of principal money to the amount of 5802, 10a., exclusive of interest, and that, apparently, without remedy, or even the melancholy satisfication of knowing how it has gone. I believe that both these adventures were under the management of the same captain or purser, or by whatever name such persons are designated; it may be, that no sort of reflection can attach to him, or any one else connected with them; but it is a sad reflection pon my friend's good sanse, in suffering himself to be guided into concerns, of rhich he could not have any knowledge whatever. If, through this inquiry, my information can be obtained, as to whether these ames are really defunct, or whether they are vet in possession of the adventurers, with the prospect of being either sold, or brought again into operation, my friend will be greatly obliged to the informant.—Osignoy: Oct. 9. WHEAL PROSPECT—MORVAH AND ZENNOR.

being either sold, or brought again into operation, my friend will be greatly obliged to the informant.—OMICRON: Oct. 9.

WHEAL ANNA MARIA.

Sin.—In your last week's Journal, I noticed a paragraph from the Western Luminary, in reference to the above mine. I should feel much obliged, if some of your correspondents would give me and the mining world, through your Journal, some particulars of the concern. It is much to be regretted, that a mine, possessing such indications as the Luminary gives it, should be so little known. I am aware, that golden visions, of much magnificence, have been floating through the brains of those who have been induced to purchase shares; but whether these visions have any other foundation than the promises of those fortunate individuals who have sold shares, I cannot determine, nor have I met with any one able to inform me. The bonus they have paid for their shares, and the calls they will have to pay, will convince them it is something more than "the baseless fabric of a dream."

I cannot deny the assertions of the "native geologists," as to the existence of mineral deposits in the neighbourhood of Dunsford, but until their researches are made known to the world, the opinions of the "native geologists" are of little value. I have also seen stones of mundic, &c., from the mine; but, not being possessed of the far-seeing power of the Luminary, I failed to discover the beautiful marking of copper—they may have an existence, nevertheless. I write, Sir, for information. If the mine really possesses the indications it is said by some to possess, I wish it success most heartily; but if it is the valueless thing others represent it to be, the sconer its real character is known, the better for the shareholders—the better for mining generally.

Let it be inspected and reported on by some man of practical knowledge and known integrity—one who knows a mineral deposit when he sees one. We shall then know on what foundation we build our hopes.—Nika: October 14.

CARADON WHEAL HOOPER MINE.

CARADON WHEAL HOOPER MINE.

Sin,—In perusing your valuable columns, I find that I am not singular in opinion respecting large beds of mundic, which is so often found in copper lodes. Nothing is more evident than that some of the most productive lodes, in this and other counties, have been those where large quantities of mundic have been seen in them at shallow-levels, under which is frequently rich deposits of copper. It is an old saying, and a true one, that "mundic rides a good horse," and that particularly where copper is to be seen amongst the mundic. Such instances as this have come under my notice in many mines in this county—such has been the case in Great Consols, Fowey Consols, Par and Wheal Mary Consols, East Crimis, West Caradon, Holmbush, and many other mines. I have been an underground miner upwards of 33 years, and, during that time, I have worked on tribute 29 years. I never knew one instance of this kind as yet to fail in being productive, where the lodes have had a fair development. Many good mines have been abandoned for the want of spirit to go deep enough, especially when there is much mundic in the lodes at shallow levels. I make these few preliminary remarks on mundic, hearing it objected to by some of late here—we having a lode of the very same character as I now speak of, and such as I have seen make large quantities of copper at deep levels. I am well assured, that the lode I now am alluding to will make an abundance of ore, if we were to cut it down 10 fms. deeper, as there is granite in the bottom of the level where we are now driving to, and from which we have taken some very fine stones of copper. There has been a level and a very promising lode; from 70 in to 24 ft. wide in the botton, but not so wide in the back; its composition is large quantities of rich-looking mundic, with felspar, peach, prisan, quartz, and good quality copper. Wheal Agar is much improved of late; this lode is cut in South Caradon—a promising lode indeed, with rich copper in it; this, too, greatly enhances th

CREENT FOR BUILDING PURPOSES.—Various descriptions of cement have een introduced of late years, whether applied to buildings as a mortar, or in ring them by way of surface, giving at once the appearance of stone, and e same time, rendering the wall to which it was applied impervious to at the same time, rendering the wall to which it was applied impervious to water. The economy attendant on its use is too readily recognised to require anything more than a passing observation; while importance must be attached to the discovery of any material of the kind which combines with it the several properties required, and which may, at the same time, be acquired at an easy cost. Our attention has been directed to this subject from the proved superiority of a coment, found in the immediate vicinity of Holywell, Flint-ahire, known as the Carth-y-foel Quarry. On visiting the district, we obtained a specimen of the clay when manufactured, as also the umber which is found in connection with it; the latter forming the matrix of the vein or bed, if we may use the term, in which the nodules, or detached rocks or stones, of cement are found. Its value, as evincing its superiority over other cements of a like nature but inferior quality, may be inferred by the fact, that contracts have lately been entered into for a supply by the Chester and Holyhead Railway, and it being now employed at the new station, in Chester, and also in various public buildings and warehouses in Manchester. We are given to understand that it will admit of one-third addition of common sand; but this we think a false economy, luasmuch that it is calculated to depreciate in public estimation the value to be attached to the cement itself, affected as it must naturally be by the nature or quality of the sand employed in the admixture. The coment is found in a fractured stratum or bed, with torn and fractured shale over and underlying it—the bed or seam being from 3 ft. to 3 ft. 6 in, thick, which enters the hill, having an inclination to the east, and with a dip or underlying the the same being worked to the itse, and thus rendering any water or steam-power underlying the same being worked to the itse, and thus rendering any water or steam-power underlying the same being worked to the itse, and thus rendering any water or steam-power underlyi over and underlying it—the bed or seam being from 5 ft. to 5 ft. 6 in. thick, which enters the hill, having an inclination to the east, and with a dip or underlie of 1 in 8—the water passing away from the adit or opening on the seam being worked to the rise, and thus rendering any water or steam-power numeroscary. An adit level has been driven about fifteen fathoms, and the present end or opening of the quarry is about four fathoms from the surface. The cement obtained from the seam, or stratum, in which it is found, combined with umber, to which some value is attached, but which we do not profess to understand sufficiently to enter into detail, is found in rocks in the bed; and, on being brought to surface, is broken to the size of the stones used for our Macadamised roads, and then burnt in a kiln, similar to that used in the burning of lime; having been drawn from the kiln, it is again reduced into a maller particles, and piaced into a grinder, or crusher, so as to be reduced into a powder, which requires only the addition of water to bring it into that state, which will admit of its moulding or manufacture to the several purposes for which it may be required. The cement, when ground, is sold by the baryel, weighing somewhere about 3 cwts., at 12.2 per barrel, and at which price 3 would appear to be in demand. As regards the manufacture of the material, whether into a plastic clay, cement—indeed, any other purpose—or applied to modelling, statuary, or otherwise—we find that an extensive cestablishment, under the control of Messrs. Bowyer and Bell, exists at Chester. We messly give the results of inquiry and investigation, on a visit to the neighbourhood; at the same time, that we may observe, specimens of the clay and upper may be seen on application at the office.

Notwithstanding the heavy duties on the importation of these articles into France, there appears a decided increase in the arrivals during the present year. Up to the 50th site, the importations of raw cust-metal was \$50,000 met. quin.; This increase in metal and fael is accounted for, in some measure, by the development of railways, and the great consumption of both by the Northern line, which chiefly employs foreign coals and, secondly, that Belgian and English cast-iron is now principally used in all the forges in the Northern Department in the manufacture of machinery, rails, &c.; as to zine, also, it is now becoming so much in use that, in a few years hence, it is expected to supersede lead, as it can be employed in so many different articles at a cheaper rate, and is far more durable. The forges and high furnaces of Liego, and other parts of Belgium, have rarely been so active as at present, and the demands for iron, cast-metal, and sinc are very considerable. The forgementers of France begin new to be pretty well convinced that they cannot meet the quantities required by the different railway companies, although the Minister favours them by levying a duty, next to prohibition, on English and Belgian industry. The consumption of coal throughout the 86 departments of France has increased in an extraordinary proportion, as in 1838 it was 45,048,670 metrical quintals, whilst in 1847 it will be more than 65,000,000. The department of the Upper Pyrennees is the only one which does not coutain coal; in the Morbiham it has increased by 600 per cent.; in the Vendée it has quadrupled; tripled in the Aube, Upper Garonne, the Laines, and the Yeune; and doubled in 24 other departments. The basins of the Loire, Alais, Creuzot, Bianay, Aubin, Commentry, Valenciennes, and others, produce, on an average, about 42,000,000 metrical quintals, a portion of an inferior quality—so that the remaining 23,000,000 (or more than one-third) is imported from Great Britain, Belgium, Prussia, Rhenish Bavaria, &c. The quantity of Britis OF OF METALS AND COAL INTO FRANCE

EAST ALVENNEY.—We have now got 6 or 7 inches of solid tin in our shaft worth about 70l. per fin.—this is likely to continue, and is sufficient cause fo the improved quotation.—A letter received this morning says—"The lode i greatly improved; we have intersected another branch of tin, 2½ in. big—solid." greatly improved; we have intersected another branch of tin, 25 in. big—sonu.

GRAMBLER AND ST. AUBYN.—At a meeting of the adventurers, held at the account-house on Tuesday last, the accounts, of which the following is an abstract, were passed:—Balance due on last account, 551L 6a. 5d.; costs and merchants bills, 968L 17s. 11d.—1520L 4s. 4d.—Ores sold (less dues), 962L17s. 9d.—Balance due to purser, 557. 6a. 7d.

—Balance due to purser, 557. 6a. 7d.

We have received an account from Wales, relative to the temporary embarrassment of a large iron company, having very extensive works in South Staffordshire. It appears, that the operations of the company have been on an extensive scale, and their engagements large. Some bills are at present due, or on the eve of maturity, and applications have been made to the holders to renew them, but without effect; and it is said that circulars have been issued, calling a meeting of the proprietors, for the purpose of considering the propriety of making another call, or winding up the affairs of the company. It is generally thought the latter course will be pursued; and, if so, the utmost reliance may be placed upon the assets yielding all demands in full upon the house. That considerable injury must arise from the stoppage of the works of this company, may be inferred from the fact, that they now employ a number of hands, amongst whom, it is not too much to state, that little, if any, less than \$8000t, per week are distributed in wages.

hands, amongst whom, it is not too much to state, that little, if any, less than 30001. per week are distributed in wages.

SOUTH AUSTRALIA.—The accounts lately received from this colony continue of a very favourable character. The produce of the copper mines is exceeding all previous estimates: within the last fornight there have arrived at Swansea three large vessels from Port Adelaide, laden with ore; while the latest accounts bring information that 2001 tons more were ready for shipment. These discoveries, in addition to the other more ordinary occupations and productions, have had a favourable effect on the commerce and public revenue of the colony, amounted to 287,0594, being at the rate of fully 334 per annum for each male adult, besides producing all the necessaries of life in such abundance as to render the colony entirely independent of imported food. The ordinary public revenue, for the quarter ending March 31, 1847, was 17,5771. 12s. 1d., while the ordinary expenditure was 12,8974.0s. 4d.—showing a surplus for 3 months of 4,4804. 18s. 9d. Fears have been entertained in England that, amidst so much excitement as the mineral discoveries have occasioned, the cultivation of the soil would be neglected. It is gratifying to know that this has not been the case in any degree—on the contrary, that vitally important department has been progressing pari passu with the increase of the population, and the advancement of the colony in other respects.

The COAL Trade.—Newcastle has sent 576 cargoes of coals to the Baltic

has been progressing pari passes with the increase of the population, and the advancement of the coluny in other respects.

THE COAL THADE.—Newcastle has sent 576 cargoes of coals to the Baltic alone this year; Sunderland, 179; Hartlepool, 134; Stockton, 94; Hull, 32; and Liverpool, 8.—The total number from these and all other British ports has been 1241.

EDUCATION IN THE MINING DISTRICTS OF IRELAND.—It is much to be regretted, that, from motives into which we will not inquire, the school-house at the Meeting in the Vale of Ovcoa, the seat of mining industry, and which gives employment to 1200 or 1500 souls, has been abandoned. The district, embracing the mines of Ballymurtagh, Ballygahan, Cronebane, Tigrony, Connorree, and Klimacow, is populous, and, at a time like the present, education, next to employment, ought to attract the attention of the philanthropist and resident. We have not space, on the present occasion, to dilate on the subject; but, having taken up the subject of mining in the Sister Isle (some remarks on which will be found in another column), we content ourselves by stating, that Mr. West, of the Meeting, has expressed his intention to establish a school in the locality, to which Mr. H. English, Capt. A. Francis, and others, have already expressed their intention of contributing—which, aided by the moneys that may be fairly calculated upon from the several mines, the lords, advanturers, and agents, and the gentry, will, doubtless, supply that lords, advanturers, and agents, and the gentry, will, doubtless, supply that lords, advanturers, and agents, and the gentry, will, doubtless, supply that locality with the means of spreading education—the blessings attendant on which appear to have been so captiously and improperly withdraw. We trust the example thus set will be followed in other districts, and thus rescue Ireland from a charge of an inclination on the part of those who possess means, to be regardless of the interests of those who possess means, to be regardless of the interests of those

hood of Innoshannan will be the natural result, while the railway companies will derive large returns from the transit of ore.—Frish Railway Gazette.

Peer two A wexul now Auther.—Let us look nearer at the village. Let us peop a fittle into that double row of houses, just beneath us. What hurs these houses are ! How irregularly built! Doors that enforce the decorum of a salam, not without record of the lesson remaining on the last of him who is rude enough to enter covered. Windows a foot or so apture; one-half of many of them not glazed, but wooden. Small steeping-rooms, small eating-rooms, we guess, are these. The row seems populous too. What miscrable little bits of garden ground. What westched fences—largular, tumble-down compromises of stick and stone. What indescribable little exections all about, indeed, of stick or stone, for purposes the most varied. What old barrels lying down to hold dog or hog. What old barrels standing up to hold coals, or the brock of swine. What combouses, donkey-houses, horse-houses, dog, duck, and hen-houses. What profess with their farrow, grunting about. What asses standing motionless, statuesque. What busy children. What tan that wheled one is having, who has thrown himself sack wise screen that astonished porker, and is thus being half-diraggod, half-carried. A larger party are busy tormenting a poor donkey. What must be have—boys and girls, and pize, ducks, donkeys, and dogs. How the women busile! carrying water, firing ovens, running about with huge leaves, bringing from the shop great loads of flour upon their heads, liming the outside of their houses, washing out tubs, spreading clothes upon their bits of hedges, picking up squalling infants who have tumbled in the gutter, rescuing bloody-nosed archins tom akirmishes—may, there are two skirmishing themselves! What gesticulation! What words! Words! The very men, who are ty chance about, slink into their houses in the parest shame. And this, then, is a Welsh invo valley. Belind us, in that mountain, are quarries, clinking gas murmars through bubbles on the walls, or, here and there, in a considerable stream, blows loudly through a blower; the dark mineral gitters on the lading tram; and terriers, cated by their master's victuals, buy the rats from them. Miners, too, beneath, our flost, with pickaxe, or with blasting-powder, loosen from the earth the ore. Horses, through long passages, drag in darkness the minerals to the light. Boys of eight or nine, or younger, spend the day by doors that guide the current of the air, which is the life of all within. By locomotive along railway, or by horse or tram-road, these materials of lime, and coal, and ore, are brought to the furnaces. Both wenches, which is the life of all within. By locomotive along railway, or by horse or tram-road, these materials of lime, and coal, and ore, are brought to the furnaces. Both wenches, which is the life of lime, and coal, and ore, are brought to the furnaces. Both wenches, which is the life of lime, and coal, and ore, are brought to the furnaces. Both wenches, which is the life of lime, and coal, and ore, are brought to the furnaces. Both wenches, which is the life wheels his barrow of mine, or lime, or coke, into the caseking flame of the blast-furnace. At the bottom of the furnace the moulder lays his moulds. The furnace is tapped; the molten brilliance flows forth in a solid stream, filling up, one after one so takingly, its appointed channels. Lank figures of furname, there, in the forge, reheat the metal, Their thin, swarthy, sweat-dripping faces gleam in the light of the open oven, as, over and anone, with long rode, they poke the molting mass. How the white-hot mineral fisches hither and thinher all about the forge! How it spruts and sparkles beneath the especies? I how be autifully, red-loot, it is gradually rolled into long bars by the wheels of the rolling-mill! Along canal, tramway, or railway, the finished motal is now carried to the port, whence it is shipped, to civilise the world. And there workmen have all cottages, and wires, and furni

Current Prices of Stocks, Shares, & Metals.

Bank Stock, 7 per Cent., 180 82 3 per Cent. Reduced Ann., 79‡ 80 5 per Cent. Consols Ann., 60‡ 1‡ 3 per Cent. Annuties. 3 per Cent. Annuties. 10 per Cent. Annuties. 10 per Cent. Annuties. 10 per Cent., 322 3 per Cent. Consols for Acct., 83 2‡ Exchequer Bills, 10001. 3d., 28-18 dis.

Belgian Bonds, 43 pm.
Belgian Bonds, 43 pm.
Dutch, 54 per Cents, 75
Bradilian, 5 per Cents, 77
Chilian, 5 per Cents, 174
Syanish, 5 per Cents, 164
Ditto 3 per Cents, 164
Ditto 3 per Cents, 163
Portugues, 5 per Cents, 163

The following tabular statement of the prices at the last settlement of count, compared with that of Thursday last, will show the fluctuations which have occurred, and indicate the depreciation in value of the several

narket. The following table, showing the prices of the under-mentione d shares at the 26th of August, compared with this date, and stasing the amount paid up per share, will exhibit the extent of the fluctuations, and show the great depreciation that has occurred in railway property. Some of the shares present an apparent increase of price, as with the Caledonian: but, in this case, the amount of the call made since the last settling in Con-sols must be added. The actual depreciation is shown by reference to the third column, stating the amount paid-up:—

Railways.	At Aug. 26.	Last price.	Amt. paid-up.
Aberdeen	£30	£27	£40
Caledonian	321	34	**** 50
Eastern Counties	184	154	20
Edinburgh and Glasgow	66	47	50
Great North of England	231	216	100
Great Western	111	93	85
Hull and Selby			
London and Blackwall		41	168
London and North-Western			
London, Brighton, and South Coast			
London and South-Western			
Lancashire and York (M. and L.).	96	79	89
Midlands	1161	109	100
Norfolk	116	90	100
South-Eastern and Dover			
Waterford and Kilkenny	08	98	95
York and Newcastle			
York and North Midland	17	**** 68 ****	esex . September

MINES.—Even amidst the continued failures of old com e unparalleled depression of the funds, and the ruinous fall in the value of railway speculative property generally, we have much gratification in learning that the mining share market maintains a firmer position than could possibly have been expected under these peculiar events. The busiresult possibly have been expected under these peculiar events. The business in the share market, this week, has been well supported, and several large transactions have taken place, whilst many others are in course of negociation. We may, therefore, fairly assume that capita lists have discovered that mining property, when purchased under the influence of precaution and discretion, may be considered a far safer investment than smalls contemple.

covered that mining property, when purchased under the influence of precaution and discretion, may be considered a far safer investment than usually contemplated.

While we notice, with much regret, the lamentable calamities which are daily reducing to insolvency firms of the highest respectability, in connection with our commercial interests, we have much pleasure in asserting, that but little injury has yet fallen on our mining property—more than the tendency which a straitened monetary market will produce on property generally; and, even in this, we may only calculate on a brief influence—for the discerning capitalist will now discover the advantages of possessing metalic substances over dishosoured bills, even shackled, as we are, by a smelting monopoly.

We have noticed, with regret, the fall in the standard of last week, and to trace the least apparent justifying causes we feel ourselves wholly inadequate, more than being within the power of an insatitate and tyrannical monopoly. This circumstance will, no doubt, curtail the operations of some of our best mines; rather than submit to such a sacrifice, they will return no more over than will simply cover the expenditure of working.

Stray Park and Camborne Vean adventurers met on the 8th, when a dividend of 20s. per 1000th share was made, reserving a balance of nearly 1000l, in hand, being the profit of four months' working.

Trehane declared a dividend of 1l. per share on the 12th, and the mine looking well.

In Treviskey and Barrier considerable business has been done during the week. Some weeks since we called attention to the large amount of interest paid by this promising adventure.

Condurrow meeting, held on Theselay last, showed a profit of 160l. on the last twe months' working, and the mine generally improved.

There has been a demand for Trevan shares, and several have changed hands at an advanced price; this has arisen in consequence of the gossan on the back of the lode having been found strongly impregnated with silver. Caradon Wheal Hoppers h

NEW PATENTS, to tilling, Fulham, Middlesex, knight ments in machinery applicable

Sir J. S. Lilbs, Fulham, Middlesex, Engirit, for improvements in machinery applicable to tilinge, and for agricultural purposes.

T. Horne, Birmingham, for eyrtain improvements applicable for carriage windows.

J. T. Harradine, Holly well-Cum. Needingworth, Huntingdon, farmer, for an improved agricultural instrument for preparing land in various ways, for agricultural purposes.

D. Fisher, Clerkenwell-green, for improvements in the manufacture of tools and slues.

F. Lloyd, Snow-hill, for improvements in the preparation and manufacture of tobacco.

M. Curris, Manchester, machinist, for certain improvements in machines used for preparing to be spun and spinning cotton and other fibrous substances, and for preparing to be woven, and weaving, such substances when spuns.

B. Bioniowasti, Bow-freet, Covenit-garden, Misdicesex, for certain improvements in the apparatus for and process of printing.

J. Maudslay, Lamboth, Surrès, for certain improvements in the manufacture of other moleable substances.

A. V. Newton, Chancery-lane, Middlesex, for an improved machinery for blooming iron.

A. Wall, India-row, East India-road, Middlesex, for a new or improved apparatus for, and method of, separating oxides from their compounds, and each other.

R. S. Newfall, Gateshead, Durham, for certain improvements in machinery for grinding grain, paints, and other substances.—Mechanics Magazins.

The Sourit Warrans have lately issued instructions, directing—"
every ongine-driver, and every guard of the mail, goods and other night communicate by an exchange of signals with every station and gate-ic whether the trains call at such station or not; and that further, if next additional man be appointed to that duty."

PRICES OF MINING SHARES, IT STATES

 R	
LATEST CURRENT PRICES OF METALS.	
Ross - Bar s. Wales fon 0 0 - 8 13 6 Copper Ord. boltoms 0 0 - 0 0 12	
Inox.—Welsh may now be bought generally at 84, 19s. 6d. in Wales; the demand continues air for this description, and also Stanfordshire; Scotch pigs are dull of sale. Corras remains firm and brisk. Loran termains firm and brisk. This.—Both English and Foreign very quiet; a parcel of the latter, about 180 tons, has just arrived from Caims, which, if thrown upon the market at this crisis, will probably effect prices generally.—The Frants dull of sale. Lead in fair request for consumption, prices steady. SPERTER has receded since our last; dealers quote 181. 5a. and 181. 10s., but a few parcels have been parted with by second holders at 181.; and one large sale has been made at 171. 15s.—prompt cash. The stock is moderate, but, in the present dull state of trade, there is no disposition to buy, except bargains.	
GLASGOW FIG-IRON TRADE, Oct. 14.—Our plg-iron market has rather improved this week; there is, however, very little business doing. Mixed Nos. may be quoted at 60s. to 61s.—cash.	
THE IRON TRADE. The usual quarterly meeting of the frommasters of South Staffordshire and Shropshire, commenced at Walsall, on Monday: the second, and more important one, was held at Wolverhampton, on Wednesday. The attendance of those interested in the trade was numerous, but any details are rendered unnecessary, as the terms agreed to at the preliminary meeting last week, were fully confirmed. The frommasters held their usual quarterly meeting at the Town-Hall, Birmingham, on Thursday last—the attendance at which was numerous; and the reports of all engaged in the trade confirmed that which we have already amounced, relative to the eathy condition. There are still single orders in the houses both for home and foreign requirements, and, as a consequence, a determination has been arrived at to stand by existing prices. The figures are—for Staffordshire bars, 104, and for pigs from 4. 18s. to 51.5 per ton, according to the quality. We have reason to believe, too, that there has been known for several years. The settlement of accounts has passed off satisfactorily, the difficulties caused in other parts of the country, consequent on the very serious monetary pante, not having yet, we are assured, affected, to any extent, the trading interests of this district. Reports which have been current for aday or two respecting the unsatisfactory condition of the affairs of a company interested in the iron trade and working out a patent, have to—day received confirmation. We understand that a meeting of the purpoisary will be convened forthwith; and that a proposition will be absulted whether it is expedient to make another call, or at once to wind-up the concern. It is most probable, that the latter alternative will be resolved upon, but in no case will the creditors suffer to the extent of a fraction. On a rough calculation, it is not improbable that at the present time the company is employing 2000 pairs of hands. The continued satisfactory condition of the coal trade is the only other fact we have to report; upon the	

Metals, many to Metals,	1847.		1840.	11	w 670 11	147. De	J. 198 18	40.
Spelter Tons	2392	*****	4489		-		2097	
Copper	2865		2675		190		Man .	EES
Iron, British	9118		7102		2016		- mark 7, 5	W
Ditto, foreign								100
Tin-plates Boxes	6743		5328		1415		17 0027	Kirth.
Lead	743		287		455		CHARLES	On a
Steel	517	******	618		I seem		101	130
Quicksilver Bottles	50		755		-	*****	705	
			11000				IL STATES	-
COLUMN TO A PROPERTY OF THE PARTY.	-	-		COUNTY OF		17.77,72,59.00	\$611 CE	17.00

EXPORTS OF METALS TO ALL INDIA FROM LONDON AND LIVERPOOL, FOR THE PIRST NINE MONTHS OF 1846 AND 1847.

Coal, carriage included	MAY.	JUNE.	JULY.	AUGUST.
Coal, carriage included	15a. 6d	15a. 6d	15s. 6d	15s. 6d. per ton
Timber, balk	- mm		1 1	1 1 per foot.
pine	1 5	-	Am 1 44.44	65.046515.05
From, common	10 0	10 0	10 0	10 0 per ewt.
hoop	14 6	14 6	14 6	14 6
Stool			(CEM (1) 10/20)	Peter II - Extrag
Rope			190 1907	38 0
Hemp				0 44 per lb.
Yarn			Armi aska	
Tallow	54 0	ACMI DRIZES P. 1	SOUTH THE PERSON NAMED IN	- per cwt.
Nails, patent		19 0 7	17 3	THEORETEDAN
Leather	-	1 9		1 2 per lb.
LeatherCandles	5 9	5 9	6 0	
Powder	38 0	38 0	38 0	
Hilts			1 4	- per doz.
Cans	4 9		4 9	per dos.
Safety fuse	0 4	0 4		0 4 per coll.
Whim kibbles			19 0	19 0 cach.

RAILWA	Y TI	RAFFIC I	RETUR	NS.	fourth	999
Name of Rallway.	Lgth. Rway.	Present ac- tual cost.	Price per share	Last Div.	Traffic 1847	Return 184
arbroath and Forfar	15	£179,939	26	4 p. c.	£ 272	€ 25
hester and Birkenhead	15	706,793	394	-	835	67
Oublin and Drogheda	35	733,655	53	31	860	76
Dablin and Kingstown	74	473,282	by leading	9	957	85
Dundes, Perth, and Aberdeen	36	285,745	35	6	818	32
Sast Lancashire	24	1,207,490	14	-	-	86
Castern Counties	2021	7,698,370	164	5	12150	952
Rastern Union	434	979,926	60	Mark (1248	40
Edinburgh and Glasgow	48	2,375,745	50	6	3692	401
lasgow, Paisley, and Avy	601	1,890,547	121	7	2952	231
lasgow, Paisley, & Greenock	28	838,964	184	3	1117	96
llasgow, Paisley, & Greenock t. Southern & Western, Ireland	1101	1,876,326	244	Paul by	1744	86
reat Western	2401	10,630,763	98		10108	1966
endal and Windermere	101	147,001	241		152	1000
ancaster and Carlisle	70	1,291,913	58	P. C. D.	1389	1300
aneashire and Yorkshire	924	6,087,314	82	100	10627	999
ondon and North Western	382		148	9	43189	4112
ondon and Blackwall		20,010,467		100		
onden Brighten & Sauth Cont	12.4	1,146,289	5	and the	902	90
ondon, Brighton, & South Coast	147	5,659,180	401	200	11626	1007
ondon and South-Western	186	5,836,132	55	9.	9415	690
ondonderry and Enniskillen	144	160,013	24	77	112	10000
fanchester, Sheffield, & Lincolnsh.	491	2,078,135	89	. 5	2237	180
Caryport and Carlisle	28	424,417	-	3	556	50
fidland Company	382	8,658,604	107	7	35027	1905
didland Great Western (Irish)	261	583,776	T	-	824	16.000
Tewcastle and Carlisle	65	1,184,080	1118	54	2184	201
orfolk	704	1,375,633	88	6	1931	155
orth British	78	2,514,150	25	5	2423	126
hrewsbury and Chester	17	591,158	214	100	626	(lake
outh Devon	29	1,339,860	28	-	948	37
outh-Eastern	1874	6,398,218	274	6	11358	1040
aff Vale	38	785,607	DAMESTINE.	54	1532	142
Dater	25	646,211	52	6	849	79
Vhitehaven Junction	40	130,000	02	44	010	1
ork, Newcastle, & Berwick	2364	3,685,102	31	9	12009	856
ork and North Midland	196		704	10	10396	685
		3,196,869	and because of the beauty	10	10990	000
FOI	EIGI		AYS.			
Amiens to Abbeville	28	578,338	1	4	721	-
Belgian		Legal Trees Service	Distance of		60399	5877
Outch Rhenish	571		24	-	1057	106
forthern of France	211	2,000,000	10	4	16311	1068
rleans to Bourges (Central)	70	of the second Property	F- 8744	****	2439	
rleans to Tours	72	600,000	-	5	4285	351
aris and Orleans	82	2,011,720	44	121	10376	921
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ouen and Haere	594	The second section	20		3399	100
(gasburgh and Basie (monthly)		STATE OF THE PARTY OF	THE REAL PROPERTY.	1200000	9860	1061
Total earnings for last week, £2		STONE SHEET STREET	H2.195001.1810	6.0000.0	2000	11001

and the product	COAL MA	REET, LO	NDON.	ENGLASTIC STATE
PRIC	E OF COALS PER T	ON AT THE CLOS	E OF THE MAR	KET.
MONDAY.—Cha	riotte 21-West W	ylam 18-Wall's	End Walker 2	0 6—Haswell 22
-Hetton 22 6-La	moton 22 0—Dine	mgwawr 14-210	rgan's Stone (Coal 30.—Ships

market, 38.

WEDNESDAY.—Davison's West Hartley 20—Dean's Primrose 19—West Wylam 18—
Wall's End Gosforth 21 6—Belmont 22—Hawvell 22 9—Lambion 22 6—Seymour Tees
21 6—The Duke's 22—Morgan Stone Coal 30—Old Haigh Moor 18 6.—Ships, 17.

FRIDAY.—Bate's West Hartley 30 6—Buddle's West Hartley 21 6—Dean's Primrose
46 6—Tanfield Moor 18 3—Townley 18—West Hartley 21 6—Wall's End Acorn Close 30

Bell and Brown 20 9—Gosforth 20 9—Heaton 20 6—Bellmont 21—Braddyll's Heriton 22 3

East Hetton 30 6—Hawwell 23 6—Heiton 23 6—Lambion 22 3—Russell's Hetton 22 3

East Hetton 30 6—Hawwell 23 6—Heiton 25 6—Huddon's Hartlepool 21—High Thornley 16 6—Heugh Hall 21—Thornley 20 9—South Darham 30 9—Seymour Tees 30 8—

Tees 23—The Duke's 21 6—Whitworth 18—Morgan's Stone Coal 30—Ships at market, 65.

ì	PRIVING WINES	BRITISH MINES continued.
i i	BRITISH MINES. Shares. Company. Paid. Price.	Shares. Company. Paid. Price.
	Shares Company Pade Process 1000 Abergwesin 7 12 312 Albert Consols 1 24 1024 Alfred Consols 4 30 256 Alternum Consols 2 18 233 Androw and Nangiles 28 114 10000 Ayrahire Iron Company 5 38 1624 Ballewidden 9 18 128 Balnoon Consols 25 25 10000 Banwen Iron Co. 2 10000 Barristown 4 5 5 5 5 5 5 5 5 5	Shares Company Paid Price 256 Sth Friendsh Wh.Ann 16 25 260 South Harvaanah 10 25 250 South Tolgus 24 35 360 South Tolgus 24 35 360 South Tolgus 24 37 128 36 South Tolgus 164 39 128 360 South Wheal Basset 110 75 124 360 South Wheal Basset 110 75 124 360 South Wh. Francis 169 210 256 360 South Wh. Hops 5 250 South Wh. S
Š	256 Alternum Consols 2 18	256 South Tolgus 35
	10000 Ayrshire Iron Company 5 35	356 South Trelawney 134 7
j	128 Balnoou Consols 25 25	128 South Wheal Basset 110 75
	10000 Barristown 5	256 South Wh. Hope 5
	918 Divel Oles Oles Miss 241	256 South Wheal Rose 111 1
1	Solution Solution	10000 Southern& Western, Irish 2 4
1	120 Brewer	256 St. Austell Consols 9 10 94 St. Ives Consols 9 320
ı	- Ditto ditto, scrip 10 19 128 Budnick Consols 521 40	128 St. Michael Penkivel . 5 . 101 1000 Stray Park 43 . 25
ı	128 Burthy 20 - 21	9600 Tamar Consols 3 5
I	128 Callestock	10000 Southern&Western, Irish. 2
I	256 Caradon Copper Mine 94 1	256 Trehane 2 26
I	256 Curadon United 24 5	3000 Treleigh Consols 6 4 2000 Trenance 2 20
I	256 Caradon Mines 224 17 256 Caradon Mines 224 17 256 Caradon Mines 224 17 256 Caradon Mines 24 5 256 Caradon Win Hooper 20 12 2048 Caradon Win Hooper 20 19 2048 Carmarihen Consols 2 3	120 Trethellan 5 . 16
ı	110 Charleston 000 100	2009 Trenance 2 20 20 20 20 20 20 20
I	166 Cleveland 9 10 512 Coatlithe Hill 3	128 Trewellard 12 26}
l	100 Combe Valley Quarry 1	256 Wellington Mines 15 20 128 West Busset 45 22
I	128 Comfort 45 100 256 Condurrow 20 33	128 West Cargoll 2 , 12
۱	2560 Cook's Kitchen 14 5 1 1000 Coombe Valley Quarry 11 2	512 West Fowey Consols 40 15 256 West Grambler 7 8
1	1000 Copper Bettom 1 5 1024 Cosleen 4 20 240 Craddock Moor 15 15 15 128 Creeg Braws 420 100 100 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101 101	256 West Providence 1 171 200 West Seton 40 130
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1	2048 Dartmoor Consols 2 24	256 West Wh. Friendship. 8 3
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l	1024 Devon Great Consols 1 155	256 West Wheal Shepherd. 5 24
ŀ	186 Dolcoath 30 50 2560 Drake Walls 4 4	256 West Wheal Treasury 19 . 10 5200 Wicklow Copper 5 . 112-2
ı	10000 Durham County Coal. 45 9 3000 Dyfngwm 10 124	184 Wheal Adams 41 10 1000 Wheal Agar 10
ľ	256 East Alvenney 12 40-50 112 East Caradon 42 42	256 Wheal Albert 10 8 128 Wheal Acland 13 . 2
	112 East Caradon	1000 Wheal Agar.
	128 East Pool	512 Wheal Ann, Bridford. 1
177.	- East Wheal Albert 1 3	
	256 East Wheal Fortune	120 Wheal Bal
	256 East Wheal Crofty - 280 . 125 256 East Wheal Fortune . 2 . 3 128 East Wheal Rose . 50 . 1300 2048 East Wh. Rough Tor . 4 . 2 — Eastof Scotland Iron Co. 2½ . 1 193 East Wheal Scto . 14 . 20	120 Wheal Bal
	256 Elborough	256 Wheal Byon Consols. 2 256 Wheal Calstock 3 4
1	512 Fowey Cousols 40 45 6400 Gadair 2 2	136 Wheal Clifford190 190 128 Wheal Courtenay 20
	20000 Galvanised Iron Co 10 91 10000 Gen.Mining Co.for Irel. 2 11 2048 Georgia Tin Mines 12 14	6000 Wheal Curtis 2 24 256 Wheal Dyke 12 13
	956 Commission	200 Wheat Canstock 3 4 136 Wheat Chifford 190 190 191 134 Wheat Courtenay 20 6000 Wheat Courts 2 24 256 Wheat Fortexcue 64 8 512 Wheat Fortune Consols 34 64 64 64 64 64 64 64
	198 Goonyrea	388 Wheal Franco 27 32
	256 Great Callestick Moors 22. 25 2560 Great Michell Consols 14. 3	128 Wheal Harriet 45 50
	512 Gt. Wh. Rough Tor Con. 64., 21	
	100 Grogwinion 5	112 Wheal Margaret 79 250 256 Wheal Maria (Hayle) 24 10 4000 Wheal Martha Consols. 5
	1000 Gunnis Lake 12 3 256 Gwinear Consols 7 121	512 Wheal Mary Ann 5 . 20 256 Wheal Mary Consols . 38 25 256 Wheal Mary (Lanivet) 62
ď	1000 HarrowbarrowOld Mine 81. 2	256 Wheal Maude 1
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	239 Hobb's Hill 6 3 1000 Holmbush 19 10	99 Wheal Seton2141100
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	128 Lelant Consols	128 Wheal St. Ann 9 15
	1000 Llwyn Malees 5	260 Wheal Trelawney 74 95 256 Wh.Tremaine(St.Ervan) 14 20 256 Wheal Tremayne 35 20
	256 Lostwithlel Consols 12 12 6900 Marke Valley 10 1	128 Wheal Trew 20 21 256 Wheal Trevenna 3 4
1	5000 Mendip Hills 22 14 5000 Merionethshire Slate ? 14 22-24	92 Wheal Tryphena140 265 128 Wheal Venland134 4
9	256 Lostwithlet Consols_ 12 - 12 600 Marke Valley 10 1 1 1 1 1 1 1 1	256 Wh.f. Temaine (St. Ervan) 14 20 256 Wheal Tremayne 35 20 128 Wiccal Trew 20 21 256 Wheal Trevenna 3 4 92 Wheal Tryphena 140 265 128 Wheal Venland 134 4 256 Wheal Volum 2 4 256 Wheal Volum 6 6 6
	128 North Fowey Consols. 30 30 30 100 North Pool 45 370 78 North Roskear 101 30 30 312 North Troburget 2 3 100 North United 72 15	WELL THE POST PROPERTY AND ACCOUNTS OF THE
	76 North Roskear 101 300 312 North Treburget 2 3	FOREIGN MINES. 5000 Alten Mining Company 141 33
Į.	100 North United 72 15 256 North Wh. Abraham 2. 12	15000 Asturian Mining Co. 11 6 20000 Australian 2 2 3 3 10000 Anglo-Mexican Co. 100 2 2 3 3000 Bolames
	256 North Wit. Abraham	10000 Anglo-Mexican Co100 2 12374 Ditto Subscription 25 21
	15000 Northern Coal Co 23	2000 Ditto Scrip 15 41
	1200 Old Delabole Slate Co. 25 . 50 128 Par Consols	10000 Cobre Copper Co 40 18
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	512 Plymouth Wh. Yeoland 4 2 25 256 Polsaith Consols 3 5 45 112 Providence Mines 35 45 256 Rodruth Consols 5 2 6000 Bihymney Iron 50 30 0000 Ditto New 7 6 6 256 Rose Consols 10 2 1000 Rosewall Illi 1 5 256 Rosewaya Mines	20051 Mexican Company 59 —
1	0000 Ditto New 7 62	5000 Mocaubus & Cocaes 25 6-61 29320 { Rl.del Monte, regis. } 281 av. 2
	1000 Rosewall Hill 1 5	Ditto Red Debentures 10
		Ditto Black ditto 8 Ditto Loan Notes 150 60 7000 Royal Santiago 10 6
į,	2500 Silver Valley	7000 Royal Santiago 10 6 2000 Pachuca Mines 4 4 11000 St. John del Rey 15 7
	A MERCHANIST MANUAL STREET	N SHARE MARKET.
	SOUTH AUSTRALIA	A MANUAL MICHIGAL

2000 South Dolcoath	9 23	13174 United Mexican	. 281 2
SOUTH	AUSTRALIA	N SHARE MARKET.	water tring to
Shares. Company.	Paid. Price.	Shares. Company.	Paul. Pries
2000 Adelaide	5 110 15 28 5 12 1 14	18 South Para	· - · · 94-16 · 34 · · 259 y • · · 14 n - · · 554

• We should feel greatly obliged by agents, or others interested, furnishing us with each corrections for our Shore List as we may not have received through our wanel channels of information—our object being, to present as accurate a list of prices as can be obtained—to procure which, we solicit the aid of correspondents in general.

2 50	JOINT-BTOCK	BANKS.			ACT SAME ARES		
Shares.	Companies.	Paid.	Die	. p. cent.	Price.		
22,500	Australasia	£40		£3	£174		
20,000	British North American	. 50	*******	5	Setu 44 Service		
20,000	Colonial	25		S	154 10		
1000	Commercial of London	. 20		6	22 93		
4,000	Ionian State	25	******	6	244 25 19		
60,000	London Joint-Stock	. 10	*******	6	MACCOLOGICAL PROPERTY.		
80,000	London and Westminster			6	20024593 (Jos		
10,000	National Provincial of England	35		1 2 VALUE	254		
20,000	National of Ireland.	22	*******	· 3	194		
20,000	Provincial of Ireland	25		8-1	134 (43 ortholy)		
4,000	Ditto New vender contract the contract to the	10	*******	S	U. S. 194ch Sec.		
20,000	Union of Australia	25	*******	6	24 25		
10,000	Ditto New	24		6	24 34		
60,000	Union of London	. 16		S	**************************************		

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		-		-
CONTRACTOR CONTRACTOR	THE RESIDENCE OF	NOTE HEAD PARTY.	NAME OF TAXABLE PARTY.	-
	A SECTION	In the second		
GAL-MURT	AND	CORE	COMPANIES.	

	Companies.				Prior.
5,000	British (London)		Bulleting		£18
4,000		adapt built	Stan comment	40	24
1.000	City of London				
1.000	Ditto New	100	0	0	210
	Equitable	Charles att	no turno 4	23.00	20
10,000	European	MACHINE TOTAL	0.8101010101012	Methods at	STREET, STREET,
19,000	Gas-Light and Coke Chartered	Co		PATERON OF BOL	574 884
	Ditto New	a conversité	Design of the last	643007.700	19
9,000	General United Gas-Light Com	theirs 6	0		
	Imperial		0		
	Ditto Debentures		0		
2 000	Imporial Continental	25	4	1011010111	61 69
7 000	Imperial Continental			31,000	63
1,000	Ditto Debentures	20	,		100 102
0.0001	Ditto Decentures	10			64
	Independent				
	London				
3,000	Ditto		0		
	Phoenix, or South London			S	33
1,000	Rateliff	80		5	75
4,000	South Metropolitan	20	********	6	311 31

18.7-87	MISCELLANEOUS	COI	MPA	NIE	5.	ion.	
Rhares.					cent.		6
10,000	Assam Tea Company	£20					
	Auction Mart						
10,000	Australian Agricultural	30			*******		22
	Australian Trust				*******		
	British Alkali				*******	16	16#
	British American Land	354			*******	14	SAVE
	British Rock and Patent Salt						
9,915	Canada	321			*******	28	80
1,000	City Bonds (Navigation)	TOTAL				89	ting
1,800	Corn Exchange	371				26	Som.
5,000	Droltwich Patent Salt	25			*	11	-
2,700	Equitable Reversionary	95			A		90
12000	General Reversionary Interest	100		5		104	106
	General Steam Navigation	14		12		22	
Committee of	Hudson's Bay Stock					230	240
	Hungerford Market	100				2111	that:
1,500	London Commercial Sale Rooms	-		1		31	32
8,000	London Reversionary				*******		24
300	Margate Pier			10	** ** ** **	196	
10,000	Mexican and South American				*******	3	
20,000	New Brunswick				*******	22	40
11,600	Peninsular and Oriental Steam			7	*******	57	STATES
6,600	Ditto					rls +	112.196
5.387	Reversionary Interest Society	100		41	*	97	117 19
1000	Royal Mail Steam	-				52	NOT YOU
8,000	South Australian	20				U.S. C.	200
20,000	Upper Canada	100				93	94
	Ditto					93	94
10,000	Van Diemen's Land	20			*******	3	40
1007 3	* Those marked with an asterisk	(*) ar	e divi	dend r	er share.	lian	00/129

The number of pumping-engines reported for the month of Sept. is 28—the of coals consumed being 1990 tons, lifting, in the aggregate, 18,000,000 tons of sathoms high—the average duty of the whole is, therefore, 53,000,000 lbs. lifted by the consumption of a bushel of coal.

LEAD ORES.

Sold at Holyscell.								
Mines.	Tons.	Amount.	135	Purchasers.				
Peel	60 60 Sold on the	10 0 0		Walker, Parker, & C Mather & Co.				
East Wheal Rose	73 9 23	£14 13 0 9 18 6 15 8 6		Michell & Son.				
Lianfair.	Sold in We	¥es. £25 0 0		Michell & Son.				

BLACK TIN.

tes. Tons. Price per ton.
derton. 22. 41 5 0 . Ca
26 5 0 ...

COPPER ORES.

Sampled Sept. 29, and Sold at Andrew's Hotel, Redruth, Oct. 14, 1847.

	Price	Mines. Tons. Price.
Carn Bres 132 £5	1	Wh. Rodney 9 £0 9 6
ditto 98 9	6 6	ditto 7 9 10 0
ditto 97 6	18 6	West Wh. Prosper 38 3 6 0
ditto 93 7	15 6	ditto 12 1 0 0
ditto 92 7	13 6	Gwinear Consols. 80 2 11 6
ditto 91 8	3 4 0	ditto 43 2 3 0
ditto 84 13	12 6	ditto 20 1 11 0
ditto 83 5	17 0 1	Wh. Tremayne 63 9 12 6
ditto 82 6	17 0	ditto 38 2 16 0
ditto 81 4	10 0	ditto 21 8 0 0
ditto 71 4	111 0 1	Wh. Agar 39 4 1 6
ditto 70 1	15 0	ditto 27 4 6 6
ditto 63 18	0 0	ditto 25 9 11 0
ditto 46 (16 0	North Wh. Basset 38 5 16 0
United Hills 94 3	9 0	ditto 20 18 17 6
ditto 84 2	3 7 0	Wellington Mines 26 5 9 0
ditto 66 (17 0	ditto 12 16 2 6
Wh. Sparrow 69 4	111 6	ditto 11 12 4 6
Par Consols 87 7	15 0	East Relistian 42 3 17 6.
ditto 81	7 15 0	Wh. Jane 30 3 7 0
ditto 75 1	0 0	ditto 8 2 14 0
ditto 60 5	7 6 6	Trenow Consols 16 3 16 0
Wh. Prosper 69	1 5 6	ditto 10 4 2 0
ditto 67 3	3 9 0	Michell's Ore 24 3 2 6
ditto 59 5	3 15 0	East Seton 21 5 11 0
ditto 58 !	18 6	Polgooth 13 6 2 6
ditto 39	111116	Wheal Darlington 11 2 18 6
Wh. Rodney 53	3 6	Copper Bottom 8 3 0 0
ditto 26 (15 0	the transfer of the state of the all the affective to
逐步2000年度2000年度 建铁铁铁矿 化	NOT THE RESERVE AND A STATE OF	DODETON

1	1113		8078	18	0	North Wh. Basset	58		£ 597	18	
. 3	313		1304	9	6	Wellington Mines East Relistian	49		469		
					10	East Relistian	42		162	15	U
	311		2325	- 2	0	Wh. Jane	38		122	2	П
	292		1152			Trenow Consols			101	16	'n
. 3	148		905	10	0	Michell's Ore East Seton	24		75	0	1
rS	4780		000		v	East Seton	21		116	11	m
8	143	****	321	9		Polgooth			79	12	3
	122	****	880	15	6	Wh. Darlington	11		32	3	П
	90		503			Copper Buttom		****	24	0	H

COMPANIES BY WHOM THE ORES WERE PURCHASED.

684		£4644	8	6	
Val. 538		2729	0	-6	ä
385	****	1282	5	6	
7	*****	38	17	0	Ñ
418		2268	.0	6	
857		6389	6	6	
S VI PARTY		DO PERC	-	ш	
	385 7 418	538 385 7 418	385 2729 385 1282 7 38 418 2268	7 418 2268 0	684

er ores for sale on Thursday next, at Andrew's Hotel, Redruth.—Mines at 1985—Fowey Consols 253—Wheal Friendship 245—Marke Vallay 230 174—Bedford United Mines 117—Holmbush 24-Ting Tang Conso at 27—Wheal Tolland 19—Hawkmoor 7.—Total, 2897 tons.

Creeg Braws 180—Treleigh Consols 163—Wheal Brewer 115—South Toigus 71—West Trethelian 51—Wheal Mary Consols 46—North Downs 16—Wheal Unity Wood 11—East Downs 7—Wheal Toigus 4—Penbroka 1.—Total, 2755 tons.

COPPER ORES

At SWANSEA for sale, October 11st.—Cobre 110, ditto 102, ditto 101, ditto 97, ditto 77, ditto 40, ditto 103, ditto 102, ditto 101, ditto 97, ditto 40, ditto 103, ditto 102, ditto 101, ditto 97, ditto 40, ditto 103, ditto 103, ditto 103, ditto 103, ditto 104, ditto 204, ditto 64, ditto 65, dit

NOTICES TO CORRESPONDENTS

ers is Corres Seritation.—A full description of the new p is, referred is last week, will be given in our next Journal barriber" (Pool).—The information would be very accepts

f—F. Best (Blackwood).—"A Newcastle Collier"—T. Deakin.—"A Lead Sm. Subscriber" (New Orleans).—W. R. (Somerset). name Journal is published at about Elevan o'clock on Saturday morning, at the 26, Fleet-street, and can be obtained, before Twelve, of all news agents, at the Exchange, and other parts of London.

THE MINING JOURNAL

Railway and Commercial Sagette.

LONDON, OCTOBER 16, 1847.

In last week's Journal we submitted to our readers a few observations on the internal progress, and domestic comfort, of the kingdom, as illustrated by the understood state of the public revenue up to that date; and we stated our opinion, also, that the most accessible and efficient means, for the restoration of the circumstances of the country, would be found in the diligent dedication of our energies to the cultivation of an enlargement of the various branches of our home industry. As a people, we are invited to give this direction to our exertions, by a consideration of the elements spread around us. We have, at our doors, a population of some 30,000,000—to feed, clothe, lodge, instruct, govern, and recreate these, is, in the fullest sense of the word, a national and an imperial task; this multitude of souls has distributed throughout its several parts an amount of wealth so great, as never yet fell to the lot, or formed the inheritance, of any single people. To direct the majority of these waiting millions, and this mass of wealth, to the enlargement of truly remunerative and reproductive works, would, to our minds, be an application of our great resources, at once wise, wholesome, and sea-In last week's Journal we submitted to our readers a few obser application of our great resources, at once wise, wholesome, and seasonable. The circuit of these islands encloses a noble field for the profitable occupation of our industrious classes. Fisheries, mines, manufactures, railways, agriculture, and practical philosophy, are branches of laborious and useful exertion, in which we have set a branches of laborious and useful exertion, in which we have set a glorious example to all present, and to all succeeding, times—they form the concrete, upon which is founded the pillars of our present greatness, and of our future renown. We are, undoubtedly, greater debtors to this species of occupation than a large portion of the periodical press of England is willing to admit. In what condition, let us ask, should we have found the revenue of the last year, and of the last quarter, but for the expenditure on railways, and that class of undertakings? We will take upon us to say, that the public service could not have proceeded without great embarrassment. In addition to the Irish loan, you would have had, it is likely, to contract a loan for yourselves, if the Excise and Customs departments of the revenue had not been fed in the manner and to the extent they have, by a large portion of the 30,000,000L, paid upon railways. Distressed, therefore, though we have been, and casting about, as truly we are, for more profitable theatres of exertion, our perplexity and distress would have been all the greater, if we had not so steadily eyed, and so faithfully pursued, what promised and proved to be so good a deliverer. We were in some manner similar to that overladen pilgrim, who, on his journey, coming to a certain object, eyed, and so faithfully pursued, what promised and proved to be so good a deliverer. We were in some manner similar to that overladen pilgrim, who, on his journey, coming to a certain object, stood and steadfastly looked upon it, and, as he continued to look, his burden fell off; and we, also, by steadfastly facing our difficulties, shall find them lessen, till they are finally lost.

It will have been noticed by our readers, that our statement of last Saturday, as to the results of the year's revenue, was an entire day, at least, in advance of the whole metropolitan press. There is always some danger in a too early, or a too rapid, examination of such large documents; but we are, at the same time, happy to know, that we were substantially correct, and that the income of the year just

we were substantially correct, and that the income of the year just expired exceeds that of the preceding year, notwithstanding the presence, in the former period, of incidental contributions to the amount of fully half a million, and which have not been renewed in the accounts just concluded.

We publish, elsewhere, the conclusion of the report of the Great Welsh Colliery case, by which our readers will perceive that a sum of 17,000l has been awarded to the plaintiff, for the injury caused to his mines, by the mode in which the lessees have worked them.

We have abstained, hitherto, from making any remarks upon the subject of the investigation; but we feel it our duty, before dismissing the subject, to point the attention of the lessees of mines to the important principle which is involved in the present case. The chief ground of complaint appears to be, in the language of one of the witnesses, that the works were carried on with too great a regard to present profit, and want of sufficient attention to the permanent durability of the mine. From the nature of minerals, it is obvious that there can be only two ways of obtaining a large quantity—either by exploring an extensive district, and apreading the operations over a wider area, or by excavating a greater proportion of the material in a given spot. Considering the immense outlay, risk, responsibility, and skill, employed in carrying out mining explorations, every indulgence should be shown to the lessees, for theirs are no common dangers, and every circumstance conspires against them. But, on the other hand, contemplating the gigantic importance of mineral properties, both to their owners and the public, the lessor needs the most jealous protection. To a great extent, he is in the hands of his tenants; for though, in the event of any injury being done to his property, he may recover some compensation, it is only obtained at the cost of litigation, the severance of friendships, the possibility of defeat, and the great probability of incompetent recompense. Above all, a lessor would, by far, prefer the safe enjoyment of his property the cost of litigation, the severance of friendships, the possibility of defeat, and the great probability of incompetent recompense. Above all, a lessor would, by far, prefer the safe enjoyment of his property to all the damages that would be awarded to him. It is in the medium that exists between the true interests of the lessor and lessee that security alone can be found. To this end, the moral of the present investigation tends; and, though it may be difficult sometimes to determine what the just boundary may be, upon which the two parties meet, there can be little doubt that, where every endeavour is made to ascertain it, and both interests are fairly consulted.

is made to ascertain it, and both interests are fairly consulted, the grounds for mutual dissatisfaction may be removed, and the danger of pecuniary loss considerably diminished.

One great misfortune of the defendants seems to have been that, though surrounded with difficulties, these means were not employed—that professional guidance and assistance was rather rejected than courted. This course may, under the superintendence of men of ability, not be followed by evil results; yet, as a general rule, it is certain that principals, however profound their skill and knowledge, must always find it a great gain to repose upon the aid and advice of experienced men, whose life has been devoted to the practical application of science to mining. Even if no other benefit resulted, they would then be enabled to show to a jury the care and pains which had been taken—and this could not fail to produce for them a highly beneficial effect.

The inquiry lasted over a period of 35 days. Few cases have been so patiently investigated, or have had brought to bear on them so large as amount of scientific testimony.

We have been highly gratified by a perusal of the proceedings of two meetings, lately held in the county of Cornwall—one, the Polytechnic Society, held at Falmouth; and the other, the Royal Geological Society of the county, held at Penzance. The time is now happily gone by, when institutions of this description need the recommendation, or the defence, of the press—they have, in the minds they have assisted to form, and in the tastes they have propagated, asserted their own utility, and fully vindicated their establishment. Geological science (if, indeed, that can be called a science, which is little more than an enumeration of facts) is of first-rate importance to Cornwall as amining district. A knowledge of the laws to which Nature herself has submitted, in the formation and arrangement of the carth's strata, would greatly help the labouring miner, and give increased precision to all his operations. To the captains, and superintendent miners, such knowledge is more important still; for on their opinion and report it often depends, whether mines shall be commenced, or others suspended, in the working of which thousands may be profitably spent, and profitably withdrawn. The Polytechnic Society contemplates an essentially different class of objects. It is alive to the interests of general science, but aims principally, as we think, at the patronage and promotion of such results as lie within the compass of the domestic, the mechanical, and the fine arts. We are not disposed to carp at the judgment of the judges, nor to criticise their distribution of prizes; but we think they might advantageously increase the value, or the number, of such rewards, and submit them to a wider and more emulous competition. But of these two valuable societies, taken together, between which may be traced many constitutional affinities, and connate virtues, it may be safely affirmed, that they are calculated to sharpen and enlarge the scientific mind of the county. They have already well taken root, and will yield, we doubt not, to tho

If the management of mines requires care and circumspection, the departments of finance are of equal, if not of greater, importance. The fear of mismanagement has deterred many from speculating—the dread of liabilities has frightened bundreds. And why should such be the case? It is, indeed, too true a proverb, that "Everybody's business is nobody's;" but, when shareholders leave everything in the hands of their agents and servants, and find themselves deceived or disappointed, it is too bad to cry out against mining—when all, perhaps, might be owing to their own carelessness and deceived or disappointed, it is too bad to cry out against mining—when all, perhapa, might be owing to their own carelessness and inactivity. We have heard, of late, of numerous mines being under the management of individuals who keep the finances of each mixed up together, and with their own private accounts. We think, for the safety and security of legitimate mining, such should not be allowed; and we hope these general observations will cause a reform, and save us the pain of personal allusions. It is not enough to say, that persons so acting are good and responsible men; for we know not, now-a-days, who are responsible men, and there should be no risk where none is necessary. But it is the principle, not the

know not, now-a-days, who are responsible men, and there should be no risk where none is necessary. But it is the principle, not the men, we denounce, nor shall we quit the subject until we see a complete reform. The press is the greatest safeguard of mining—to uphold one legitimate course, it knows neither friendships nor partiality; and, as the only medium of mining information, we feel compelled thus publicly to refer to a course which we are only surprised, in this great city, should have been allowed to continue so long.

There is a general feeling apringing up for dividend-paying mines. We have it from good authority, that the demand for them is greater now than ever; and there will, also, be capitalists found to embark in young and promising adventures, if they be in the hands of committees of responsible and practical men. In such mines as East Wheal Rose, Treviskey and Barrier, and others, parties embark freely, because they feel a perfect security in their managers; and if, perhaps, too large balances are kept in hand at the latter, it is erring on the safe side—whilst the names and standing of the managers offer a perfect security that the mines will never be allowed to run in debt, or the shareholders deceived. It is to this state of security of the dividend-paying mines that we wish to bring those making rity of the dividend-paying mines that we wish to bring those making calls; and we feel assured, however individuals may wince, that we shall have the public on our side in the course we intend to pursue.

How frequently do we contemplate the prodigious growth of some wonderful phenomenon—how often do we gaze upon the grandeur of some mighty structure, without considering, for a moment, whence it had its rise, or upon what materials its foundations are laid. The progress of civilisation carries our ideas along with it, and we seld om stop to reflect on the small beginnings whence "great facts" have sprung, but engage ourselves more in meditating on improvements for the future. While, however, we are anxious, and laudably so, to improve our condition, it cannot but be useful, as well as interesting, to take a retrospective glance at the past, and particularly to inquire what were the first steps which led to our greatness. When we have beheld the rolling torrent of an impetuous stream, how filled with astonishment and admiration we are when we arrive at the calm and gentle fountain-springs whence flow those waters which become so whement in their onward course. We have always considered the pursuit of mining of the greatest importance. If we carry back our minds to the first annals of our country, we shall find this to be the case—nay, more, we shall discover it was the mineral wealth of the south-western part of the kingdom which first attracted foreigners to trade with us. Mining, then, was the foundation of England's commerce. The Phonicians are considered to be the first who opened any commercial intercourse with Britain. At that time, Spain was the only other country whence tin could be obtained: and it is believed that the swords and spears of the ancients were made of a mixture of copper and tin, even long after the introduction of iron. The Scilly Islands were, no doubt, the princients were made of a mixture of copper and tin, even long after the introduction of iron. The Scilly Islands were, no doubt, the principal point of attraction, athough we may with safety include the county of Cornwall—which, from its peninsular position, was, most county of Cornwall—which, from its peninsular position, was, most likely, similarly regarded. A Latin writer, of the fourth century, speaks of certain islands, in the neighbourhood of Albion and Ireland, which, he says, were rich in tin and lead. The inhabitants had no ships built of timber; but skimmed along the surface of the water in boats, constructed merely of skins, sewed together—and they even made considerable woyages in such vessels; the skins, however, must have been distended on some wicker-work. The mines of Britain are particularly mentioned by several of the most ancient writers, and of such importance were they considered, that the Phoenicians carefully concealed the fact from the rest of the world. This they contrived to do for a long time, until the Romans succeeded in discovering the islands; which were called Cassiterides, or Tin Isles, when they got part of the tin trade into their own hands. It does not appear that the copper mines of Cornwall were worked to any extent, prior to the last century; but, in the days to which we are referring, the "Tin Country" is distinctly recognized by a Latin historian, of authority, as being the British Islands; and we are informed by another ancient writer, that the former had actually composed a treatise on the subject of these islands, and the mode of preparing tin. Having thus introduced this very interesting subject, our space will not allow us the pleasure of dwelling longer upon it at present; but we shall take the first opportunity of resuming it on another occasion. In the meantime, we cannot conclude better than in adopting the words of a well-known modern writer:—"It is not," he observes, "over-estimating the importance of the mineral produce of Britain, to place it before even that of the soil itself; for, granting that we could have tilled the globe, and reaped the most luxuriant harvests altogether witcheut the aid of metallic implements, we would have still been deficient in all the higher efforts of humanity—in our dress, dwellings, ships, wehicles—in literature and science—in fact, in all that power and pre-eminence which, as a people, we now enjoy." and science—in fact, in a a people, we now enjoy."

Having had many opportunities, from time to time, of visiting the principal mines in the Sister Isle, we purpose devoting space to the insertion of scraps and extracts from our travelling notes, adding thereto such valuable information as we may have acquired from practical friends, who have accompanied us on our visits, or who, from their reaidence at or near to the respective mines, possess the more ready means of acquiring information, than that afforded to the occasional traveller. It will be our object, in the present series of papers, to direct attention to the mining industry of that country, and to furnish such conclusive evidence of the imperiance of prosecuting and encoaraging mining pursuits, as are calculated to yield, not only ample returns to the capitalist, but to afford employment to the peasantry and working miner. We shall, in the course of our notes, lay before our readers the result of the past few years' workings of the several mines, and their position at the present period, introducing such observations connected with the geological features of the several districts, as we may deem deserving of notice—at the same time rendering the series popular and instructive, in addition to the information conveyed, as to the practical working of the mines.

logical features of the several districts, as we may deem deserving of notice—at the same time rendering the series popular and instructive, in addition to the information conveyed, as to the practical working of the mines.

To effect this, it is only natural to suppose that we calculate on the assistance which can be afforded by our correspondents, and hence the order in which the several articles may appear, as relates to contiguous districts, will not be strictly observed, while, at the same time, the series, when complete, will be found to embody particulars of all mines of importance, it being borne in mind that, where details are not given, such omission is alone chargeable to those more immediately connected, and whose interest it would be to furnish us with the information. This we do not, however, contemplate—for we have ever found in Ireland the same openness of communication, which has enabled us to contribute so much information as pertains to our mines in England, equalled only by the "kindly welcome" which has ever attended our visits to that country. We, then, court communications from our friends in Ireland, assuring them that they shall be rendered available in aiding the development of its mineral riches by the employment of English capital.

When it is considered the many millions which have been expended, within the past two years, in giving employment to the starring poor of Ireland, in the construction of roads which may never be travelled, and improving estates, from which the landlord can alone derive a benefit; or, if we take the money expended in providing the means of existence, although, said is tho reflection, that thousands have expired from want—it does appear strange that the money of the nation was not applied to the important object of enhancing our national wealth, by developing its mineral resources. Let us take an instance: we would first assume that 500,000/L had been applied to the opening of and working mines, under the control and management of Government pastronage, we

support to, at least, from 40,000 to 50,000 individuals for that time, assuming even that no returns were made in the interim. This, however, is an extreme view, if we may judge by the past.

It is to be observed, that in prosecuting these workings, or discoveries, the operations would be principally in the wild or mountainous districts, where labour is scarce, where cultivation of the soil is impracticable, from the absence of all fertility, its richness or wealth not being gleaned from the surface, but from the mineral substances contained beneath. Here it is, where no kind of employment exists, where famine strides abroad, that aid is most required; and we can well imagine the ready support of the Irish landlord, now that he is pressed with the claims of Government, for advances made, to enable him to get his rents, and that he has to meet the demands of the "Union." The time was, when he would exact from the English, or even the Irish capitalist, the "pound of fiesh;" but BRITANBIA, like PORTIA, having taken upon herself the advocacy of the cause of the oppressed, has, we have reason to believe, effected a change, which must prove beneficial to the interests of Ireland, whether considered as respects landlord or tenant; at the same time, that we feel well convinced it will be productive of advantage to the capitalist. If, at the expiration of two years, one-fifth of the mines only were found to be productive, or to afford reasonable grounds for being continued, which would be a moderate calculation, if well-selected, there would be, doubtless, many parties who would gladly come forward, and embark capital in prosecuting them, repay a part or whole of the outlay expended, and, moreover, thus afford employment to an equivalent, if not a greater, proportion of those whose labour might not be further required in the abandoned mines or districts. In making these observations, we have not considered the chances or the prospects which the mines of Ireland offer; while a passing note on the large profits yielded by into detail, or reference to other mines, on the present occasion—arterior conclusive evidence. If, again, we take the counties of Wicklow, Wateriord, Galway, Tipperary, Monaghan, Clarc. Armagh. Cork, and other districts, as containing mineral velus in abundance, some worked profitably, others only partially tried, but the majority neglected, not to advert to the colliery districts, we think that we do not err in saying, that much may be accomplished by the application of capital, with a due observance of energy and talent, combined with economy. Even taking Tipperary (one of the wildest counties), there is an abundance of mineral velus, which may he worked, if not with profitable results at the onset, at least so as to return from 10s. to 20s. in the 1L; and if we were to adopt this as a rule applicable generally, we might double, or even quadruple, the number of men and families, who would be benefitted by the outlay of capital suggested. We have now given an outline of the views we entertain, and, on the present occasion, have only to refer to a slight sketch of the Wicklow district, the result of a further investigation during the past week—intending, as we do, to follow up the subject by a detailed account of the several mines to which reference is made.

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PROGRESS OF FRENCH MINING INDUSTRY.

[FROM OUR PARIS CORRESPONDENT.]
Returns of the importations, made in the month of August last, and in the first eight months of the present year, have just been published by the Board of Castoma, together with comparisons of the Importations in the corresponding periods of 1846 and 1847. It appears that, in August, 1847, the importation of "pure copper of the first fistion," was 5291 metrical quintals; in August, 1846, 5934 metrical quintals; and in August, 1845, 9046 metrical quintals; the first eight months of 1847, the importation of was 57,827 metrical quintals; the first eight months of 1846, 43,961; ame period, 1846, 67,298. The stock in the depote, at the end of August Inst., was 826 metrical quintals; August, 1846, 671; and August, 1847, 1453 metrical quintals. The importations of the wiver—August, 1847, 1453 metrical quintals, August, 1846, 1159; August, 1845, 2751; first eight months of 1847, edit importation were—58,190 metrical quintals in August, 1846, 1847, 1848, 1947, 1848, 1947, 1848, 1849, 1849, 1849, 1849, 1841, 1844, 1847, 1849, 1849, 1844, 1849, 1847, 1849, 1847, 1849, 1847, 1849, 1849, 1849, 1849, 1847, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 1849, 18 Board of Customs, together with comparisons of the importations in the corresponding periods of 1846 and 1847. It appears that, in August, 1847, the importation of "pure copper of the first fusion," was 5621 metrical quintals; in August, 1846, 5934 metrical quintals; and in August, 1845,

BELGIUM.-The Belgian Government has just published an account of the exportations made during the first eight months of the present year. The exports of the articles, which interest your readers, have been as follows:—Portative arms for 2,893,589 fr. to the Zollverein, Netherlands, France, Turkey, United States, Brazil, and other places. The exportations of the first eight months of 1946 were 2,392,575 fr.; and in the same period of 1945, 2,082,013 fr. This increase, it will be seen, is rather formidable. France received exports to the amount of 770,052 fr. in 1846, and 571,766 fr. in 1845. Brazil received to the amount of 465,942 fr.; whilst in 1846 she received only 213,467 fr., and in 1845, 302,834 fr. The United States received for 302,836 fr. in 1847, 164,956 fr. in 1846, and 174,091 fr. in 1845. These figures, I apprehend, will not be very agreeable to such of your readers as are engaged in the The exports of the articles, which interest your readers, have been as fol-1845, 302,834 fr. The United String 1845. These figures, I apprenent, will not be very agreeable to such of your readers as are engaged in the manufacture of arms, for they show that the exports of Belgium are rapidly increasing, even in markets, which, a few years ago, drew their supplies exchaively from England. The exportation of coal, during the first eight months of 1847, was 1,135,307 tons; 1846, 860,576 tons; 1845, 907,550 tons. France and the Netherlands took nearly all this coal—france having received 983,130 tons of the total exports of 1847. The export of easi-iron, in the first eight months of 1847, was 74,988 tons; same export of easi-iron, in the first eight months of 1847, was 74,988 tons; same France having received 983,130 tons of the total exports of 1847. The export of easi-iron, in the first eight months of 1847, was 74,988 tons same period of 1846, 41,400 tons; of 1845, 27,355 tons. France received 41,959 tons of the exports of 1847, 33,390 of 1846, 19,588 of 1845. The Zollverein received the remainder. In both countries, it will be seen, the increase was very remarkable. The export of rails was 3939 tons in the first eight months of 1847, 2627 in the same period of 1846, and 5662 tons in the same period of 1845—all of which, in the three periods, went to the Zollverein. The export of cast-iron worked was 679 tons in the first eight months of 1847, 103 tons in the same period, went to the Zollverein. The export of cast-iron worked was 679 tons in the first eight months of 1847, 103 tons in the same period of 1846, and 249 tons in the same period of 1845. The greater part of these exports was taken by the Zollverein and the Netherlands. The exports of works in fer bette were 676 tons in the first eight months of 1847, 388 tons in the same period of 1846, and 963 in the same period of 1845. All went to Holland and the Zollverein countries. Of nails, the export was 3018 tons in the first eight months of 1847, 3044 tons in the same period of 1846, and 3928 in the same period of 1846, and ther places. The export of complete works in iron (of machines) was 1234 tons in the first eight months of 1847, 1323 tons in the same period of 1846, and 1177 in the same period of 1845. The countries which received these exports were Russia, the Zollverin, the Hanse Towns, Netherlands, France, Spain, Austria, and others.

The export of detached pieces of machines, in iron and cast-iron, was 513 tons in the first eight months of the present year, 293 in the same period of 1846, and none at all in 1847. The Netherlands and the Zollvering the first eight months of the present year, 293 in the same period of 1846, and none at all in 1847. The Netherlands and the Zollvering the first eight months of the present year, 2

verein received the largest quantities. The export of zine brat was 3507 tons in the first eight months of 1847, 2914 tons in the same period of 1846, and 3066 tons in the same period of 1845. Almost all of this was taken by France. Zine lamine was exported to the extent of 1463 tons in the first eight months of 1847, 900 tons in the same period of 1846 and 880 tons in the same period of 1845. The Hanse Towns, the Netherlands, England, France, and the United States received the largest quantities. In 1845, the export to England was only 74 tons; in 1846, it rose to 173 tons; and, in 1847, to 305 tons. To the United States it was 233 tons in 1846, 319 tons in 1846, and 715 tons in 1847.

The Company of the Coal Mines of Counc et Colladios and Valentin have just been authorised to construct a railway to the Meuse.

Iron is coming into very general use in this country as a substitute for wood in house-building.

A patent has been taken out by Mr. Ritchie, an Englishman, for a new manner of treating copper ores.—Brussels, Tuesday.

NOTES ON THE MINING DISTRICTS AND MINES OF IRELAND.—No. 1.

NOTES ON THE MINING DISTRICTS AND MINES OF IRELAND.—No. 1.

Wicklow.—In noticing this district, it may be well, in the first instance, to confine our observations to the geological features presented in the immediate locality of the Vale of Ovoca, where the sulphur ore abounds, and which is worked to a considerable extent—reserving until another occasion any detailed information as to the working of the mines, on other portions of the district. This part of the county is clay slate, for a great extent, ranging east and west, and overlaying the granite, which is found to develope itself about three miles west of the Vale. The great sulphur lode, on which the mines in this district may be said to depend, and which has yieled large returns—the produce some months exceeding 6000 tons—may be considered as the "trunk" of the mines, running in a direction a little north of east and south of west, varying in its underlay south from 30° to 50°. This lode is found to extend (although intersected by a slide) from Ballymurtagh through a great part of Connorree and Kilmacow, lying about three miles to the east. The western mine is Ballymurtagh, and that next east Ballygahan, running into the Vale of Ovoca; while to the east are the mines of Cronebane, Tigrony, Connorree, and Kilmacow. All these mines, it should be observed, are on precisely the same great champion sulphur lode, although it is quite manifest that they have been separated by a slide, or heave, in or about the direction of the river, being nearly north and south, thereby showing a left hand heave. The main part of this slide has not been sufficiently seen to ascertain or determine its true underlay; but the possibility, and, indeed, the almost certainty, is that it underlays east, heaving or separating the lodes 150 fathoms, or, perhaps, to a greater distance—thus leaving the mines to the west of the river, on the cross-course, that distance further south; and, although there does not appear any deviation in their course east and west, yet it is found, in proc WICKLOW .- In noticing this district, it may be well, in the first in-

mineral character, and even colour, changed from what they had been for a great distance on either side the lode. This, indeed, must be clear to every observer; and, furthermore, that the country or rocks generally bear no corresponding heights; thereby affording strong presumptive evidence that the great lode, or some other causes, have had an influence in giving internal expansion, arising from heat, which requiring room for escape through such natural openings, the result has been, that the immediately adjoining country, or rock, has been changed by heat. The evidence thus afforded, in looking at this district, would, indeed, establish the fact to the mind of the merest tyro, or greatest sceptic, that heat has the most to do, or is the most powerful agent, in the formation of mineral veins generally. Indeed, as we have already observed, this locality affords the most striking evidence of the correctness of the theory advanced. The great sulphur lode, to say the least of it, as it indicates in the several points where the best bunches of sulphur have been found, would appear to have been influenced by intense internal heat, arising from some cause which had not been perfected in its operation, and thus leaving to Art what Nature had rendered so nearly complete. This description must not, however, be considered as applying to the lode for its entire length, as before described, but merely for sections or portions—say, in the aggregate, 600 to 800 fms.—varying in bunches of from 20 to 100 fms. in length. By way of illustration, in a more popular form, of the nature of this lode and its branches, we will compare it to the huge trunk of a tree, for the length mentioned, yielding bunches of sulphur as its fruit, while its branches produce its prills of copper ore—prills, comparatively speaking, when taken into consideration with the mother trunk, composed, as it is, of sulphur ore, being in width from 10 to 50 feet. It is a question whether the trunk germinates the branches, or whether they may be considered (to u

PESTH SUSPENSION BAIDOE.—The depth of the coffer-dams for this stippendous structure, from the level of the water to the art, or blue clay, is 60 ft.; the length of the piles are from 80 to 90 ft.—chiefly oak, from the great forests in Lower Hungary, which has been towed up the Danube for that purpose; the average weight of the suspending chains per 10 ft. lineal, will be about 50 cwts.

OBSERVATIONS ON SILICA.—M. Doveri has detailed some experiments at the Comptes Rendus, from which we glean the following results:—
That the alkaline silicates, when decomposed by acids, and particularly ydrochloric acid, deposit the greater part of the silica which they contin if the acid in excess be added drop by drop; whereas the same quanty of acid added at once does not occasion the precipitation of the smaller portion of silica.—2. That silica once precipitated, does not re-dissolve hydrochloric acid, deposit the greater part of the manifest that if the acid in excess be added drop by drop; whereas the same quantity of acid added at once does not occasion the precipitation of the smallest portion of silica.—2. That silica, once precipitated, does not re-dissolve in acids, whatever may have been its origin, whether precipitated from an alkaline silicate by an acid, or from fluoride of silicam by water.—3. That alkaline silicate by an acid, or from finoride of silicum by water.—3. That weak acids, as the carbonic, sulphurous, boracic, and the vegetable acids, decomposed the alkaline silicates at common temperatures, and precipitate the silica either as a jelly or in gelatinous floculi.—4. That very finely-divided silica, whether anhydrous or hydrated, is capable of decomposing the aqueous solutions of the alkaline carbonates, and dissolving in the solution at a boiling heat.—5. That silica precipitated at common temperatures from a solution of an alkaline silicate or from flouride of silicum, is a hydrate of definite proportions, the composition of which may be represented by the formula HO, Si O². This hydrate, when heatest to 212° F., loses one equivalent of water, and is converted into another compound, HO, 2Si O².—6. That when a solution of an alkaline silicate is treated with a metallic solution, a precipitate is formed, which is a mixture of hydrate of silica and a metallic silicate; the metallic silicate being entirely dissovled by the mineral acids, while the free silica remains undissolved.—

7. That a limpid and very strong solution of silica in hydrochloric acid may be obtained by dissolving in this acid silicate of copper, and precipitating the copper by sulphurested hydrogen.—8. That a solution of silica in hydrochloric acid, slowly evaporated under the receiver of the air-pump, gives hydrate of silica (HO, Si O²), perfectly crystallised in very small transparent needles, grouped either in stars or tufts.

THAMES TUNNEL COMPANY.

The number of passengers who passed through the Tunnel in the week ending Oct. 9, was 17,093; amount of money, £73 14s. 5d.

TRACTICAL GEOLOGY AND MINING.

A course of lectures "On Mining and the Practical Application of Geological Science," was commenced at King's College, on Wednesday last, by D. T. Ansted, Esq., M.A., F.R.S., &c., the Professor of Geology to the college, a gendeman deservedly celebrated as a consulting mining engineer. The theater was well filled by a most attentive auditory, most of whom appeared deeply impressed with the great importance of the interesting subject to which their attention was drawn by the talented lecturer.

Professor ANSTED commenced his address, by expressing his satisfa at seeing so large a class assembled in the metropole, and connected with King's College, to attend that which he believed was the first course of lectures ever given in this country, especially devoted to the practical applications of geology and mining. He then proceeded to state, that his lectures would be, geology and mining. He tien proceeded to state, that his letters would be, to a certain extent, of a technical character, and would prosuppose in his bearers some knowledge of descriptive geology. The applications of geology were always available when practical works were to be done, which involved quesalways available when practical worse were to be done, which involved ques-tions concerning the earth, considered either as the basis of operations, or with regard to materials thence obtained, and used for any purpose whatever. Con-sidering, then, the earth's crust as the basis of operations, he gave a very general sketch of the importance of geology in questions concerning the perma of foundations, and in the various kinds of earthwork, whether they were of the nature of tannellings, cuttings, or embankments, and in other departments of ordinary engineering, both civil and military; and pointed out the fact, that on the various circumstances of the position and association of mineral and rock masses, depended much of the success of operations of this kind. In matters connected with drainage, this knowledge was also equally useful and necessary; and this, whether with regard to surface draining, or deep draining, and whether in tracts of land of small area, or including whole districts, and extending over very many square miles. The professor also very forcibly sketched the importance of a knowledge of the geological principles of drainage to the architect and the colonist, in selecting sites either for separate buildings or for towns, and the necessity of referring to this knowledge in regard to sanatory purposes and the minorement of property. He next alluded to the subject of springs and wells, and the means of obtaining a supply of water, as being also dependent on geological conditions, and, therefore, belonging to the practical applications of this science. With regard to material, he described the various ways in which geology was useful when we wished to obtain or modify any of the substances of which the earth's crust is made up. He considered these materials, first, as they form vegetable soil; next, as they are used for chiefly ornamental, to which various stones and rocks were applied; lastity, and chiefly, as the source of fisel, and the various metals now in the service of maa. Having dwelt at some length on each of these topics, the Professor observed that the practical applications of geology might be grouped in either of two ways—viz.: either with reference to the earth as the basis of operations, and as the source whence various materials are obtained, or in relation to the various subjects of engineering, architecture, agriculture, and mining. Whichever of these arrangements was taken, the effects to be known would be chiefly those that regarded stru nature of tunnellings, cuttings, or embankments, and in other departments of ordinary engineering, both civil and military; and pointed out the fact, that on the various circumstances of the position and association of mineral and rock

IMPROVEMENTS IN THE STEAM-ENGINE.

Me were on Tuesday favoured with an opportunity of witnessing the working of a steam-engine, embodying the improvements which have been just patented by M. A. F. Rémond, of Great Charles-street, Birmingham. The object aimed at by the inventor is to get rid of the back action of the steam, by which, in all engines of the ordinary construction, a great amount of power is lost. It is estimated that a cubic foot, or 60 lbs. of water, should give one horse-power; but it is shown that high pressure engines of the ordinary construction consume, at least, 100 lbs. per horse. This shows that the loss of power from reaction is 40 per cent. By making the passages for the exhaustion of the steam much larger than at present, and by slide valves of a new construction. M. Rémond gets rid almost entirely of this reacting power, and thus saves steam and fuel to a very great extent. The engine with which the experiments were worked was constructed by Messrs. Batch and Firth, ef Broad-street, on the most improved principles at present acted upon in the construction of steam-engines. Its power is nearly 13 horse. The cylinder is so constructed that it can be worked with either the ordinary three-port valve or those of M. Rémond, thus ensuring a fair trial, since whatever may be the defects of the cylinder or piston, they must tell equally against both contrivances. The engine was fitted with Prony's friction break, and the strain was not altered during the experiments.

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Minne in Algeria.—M. Ebelmen states, that a copper mine, apparently of great-importance, has been for some time worked at the foot of the defile of Mouraia, in Algeria. The veins are composed principally of carbonate of iron and grey copper; the latter sometimes occurring in compact masses and sometimes in crystals, the prevailing form of which appears to be a rhombic dode cahedron, but with numerous modifications on the edges and angles. The specimens received by M. Ebelmen, for analysis, contained a great number of very brilliant small crystals of grey copper, on a gangue composed of carbonate of iron and sulphute of barytes. These specimens were digested for some time in warm dilute hydrochloric acid, which dissolved the carbonate of iron with many in the carbonate of iron with many in the carbonate of iron with many dilute hydrochloric acid, which dissolved the carbonate of iron with in warm dilute hydrochloric acid, which dissolved the carbonate of iron with many many and the contained sulphur, arsonic, antimony, copper, iron, and zince last, bismuth, and mercury were tried for, but not the smallest quantity was found. No notable quantity of silver could be detected; and this fact that M. Berther of the quantity of silver could be detected; and this fact that M. Berther terapersed through the veins. For the quantitative manysis of this ore, the beautiful country of silver could be detected; and the fact that M. Berther terapersed through the veins. For the quantitative manysis of this ore, and taking the mean of soveral experiments, he obtained the following as the composition of this ore:—Sniphur, 27-25; antimony, 14-77; aronic, 9-12; copper, 41-57; iron, 4-66; zinc, 2-68; antimony, 12-46; arsonic, 10-19; copper, 40-60; iron, 4-66; zinc, 3-69; allver, 0-60—39-03.—Annales des Mines.

DESIGNS ACTS, AND THEIR AMENDMENT .- No. IL

"When doctors disagree, who shall decide?" is a saying most apposite to the present subject; for never has there been one upon which appar competent authorities have set forth more diverse opinions, than that of the true character and effect of the Act now under consideratio regarding designs for articles of utility, so far, at least, as viewing it as a measure of protection for inventions is concerned—it having been stated, on the one hand, that the enactment was of so comprehensive a nature as to offer a method of protecting inventions in the majority of cases, where a short, but cheap, protection may be preferable to a more extended, but dear, onc; and, on the other hand, it has been asserted, that the Act does not apply even to one in fifty of those inventions that have been registered under it; and, by dint of a restrained interpretation of the word "design," the mis-decision has been arrived at—that a working machine or apparatus, or instrument, consisting of moving parts, does not fall within the meaning of the word "designs" in the Act—they not being designs, but mechanical inventions! Then, again, another authority, with less boldness, but equally distorted views, on the subject, does not, indeed, dispute the fact, that these Acts may be applied with useful effect in a great number of cases, but endeavours to depreciate its benefits, by alternately blowing hot and cold, and ending with an expression of scepticism, as to the kind of legal protection conferred by registering the greater number of inventions under its provisions. Now, it is proposed by these papers to facilitate the final settlement of this questio vexuta—not by propounding any ipse dizit of the writer, but, simply, by placing before the public a statement of the Act itself, in such form, that they shall be enabled to judge as to its nature and effect, and to determine the propriety of applying the provisions thereof in any particular case. The statute 6 and 7th Vic., c. 65, is a legislative enactment, simply extending and adapting the system established by the Act, before explained, for protection of ornamental designs, to designs not being of an ornamental character; and the tenor of it may be given as follows:—"Any new or original design, having reference to some purpose of utility, so far as such design shall be for the shape, or configuration, or only for a part thereof, not being p sure of protection for inventions is concerned—it having been state on the one hand, that the enactment was of so comprehensive a nature as to

with a blank space on the same side of 6 in. by 4 in., for the registrar's certificate—one of these drawings being retained for the registrar, and the other being returned to the proprietor, or proprietors, with certificate of registration engrossed thereon.

This Act has the novel provision that; should any party lodge with the registrar a design for registration under the Ornamental Designs Act, which he considers ought to be registered under this Act, he can refuse to register it otherwise than under this Act. Also, if it appears to the registrar that the design lodged for registration under either Act is intended to be applied as a label wrapper, or other covering, or that such design is contrary to public morality or order, he can wholly refuse to register the same; but, in these latter cases, the proprietor of the design may appeal to the Board of Trade, who have power to reverse the registrar's decision, and order him to register such design.

Under this Act, an index of titles of designs, registered pursuant to it, is to be kept by the registrar; and any person, paying the proper fee, to have free access thereto, with liberty of copying therefrom. But, with regard to the inspection of the designs in the registry, parties are not allowed to take copies of those of which the copyright is unexpired—with which view, the registrar, or his officers, must be present at any such inspection. The registrar, and staff of officers appointed under former Act, is by this Act altered, so that the two Acts are placed under one administration. When registered, instead of every article having impressed upon, or attached to it, a peculiar mark, exhibited on the certificate, as in the case of ornamental designs, those registered under this Act are required to have "thereon the word "Heyistered," with the date of registration." A penalty for using this word upon a design not registered under this or former Act is inflicted, in amount from 1l. to 5l., recoverable as before-mentioned in respect to former Act. The design, when

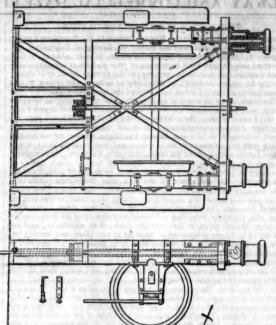
istry, 210, Strand, Oct. 12.

Mr. Andrew Smith IMPROVED METHOD OF HAULAGE ON CANALS, &c. tee of the wire-rope, now so extensively in use, has, in con tion with G. Beadon, Esq., of the Royal Navy, just secured a patent for improvements in warping or hauling vessels along canals and rivers, and also carriages on railways, by means of ropes, chains, or bands. The plan consists of having a steam-engine on board, on an horizontal axle, to which is attached a wheel, having six arms, extending like spokes from the nave to the axle. In these arms are slots, nearly the whole of their length, in which slide six whelps, or arms, which are fixed at any nocessary distances by means of wedges—and thus form a reel to receive a coil of galvanised wire-rope or chain; this rope, which is the warping line, is secured at each end to some stationary holdfasts upon the land, or in the water, by anchors or moorings, at a considerable distance apart. The rope being wound once round the whelp-wheel, and gripped there, and being itself stationary, on setting the engine to work, as the whole revolver, the vessel will be moved forward. The details for the various motions of the vessel will be moved forward. The details for the various motions of the vessel, for passing others on one line of rope, are ingenious and effective; but it would be impossible to describe them without complex diagrams. There are three or four several plans for fixing and gripping the rope; and in each the speed of a vessel can be regulated to the greatest nicety, either when speed is required, or when it is only necessary to go slow. There are also arrangements made for an improved mode of steering, by which the warp chain is removed on one side, should it be in the way. tion with G. Beadon, Esq., of the Royal Navy, just secured a patent for

or steering, by which the warp chain is removed on one side, should it be in the way.

PRINSYLVANIA INON TRADE. The increase in this important branch of our manufactures has been rapid beyond any parallel in history. Notwithstanding the large number of new furnaces erected in this state since 1842, and the vastly augmented production, our market is entirely bare of pig-iron, and supplies are wanted at the north, east, and west. Philadelphia is the great depôt for this trade in Eastern, and Pittsburg in Western, Pennsylvania; and from these points supplies are distributed to nearly every section of the Union. The unexampled demand for railroad iron in England has fortunately kept up the price of pig-iron in that country since the passage of the tariff of 1846, and has thus enabled our manufacturers to continue and even extend the production of pig-iron. A new impetus has also been given to this branch of business by the manufacture of railroad iron. Prior to 1844, not a ton of this iron was manufactured in this country. But, under the protection afforded to home labour by the tariff of 1842, several rolling-mills were commenced, and are now completed and in successful operation, and the actual production of railroad iron in 1847 will amount to 60,000 tons, equal to any imported iron. This quantity at the present selling price, 370 per ton for T rails, amounts to upwards of 84,000,000, expended nearly all for labour among our own mechanics and labourers, instead of sending that amount of money to England for railroad iron alone. The extension of railroads in every section of the Union will require large supplies of rails, and thus increase the production of railroad and also of pig-iron. In this increased demand Pennsylvania has a more direct interest than any State in the Union, because she furnishes one-half of the pig, and mere than one-half of the railroad, iron made in the United States.—Philadelphia North American.

IMPROVEMENTS IN BUFFERS FOR RAILWAY CARRIAGES.



In all the details of railway carriage-building, next to sound axles and well-constructed wheels, there is no part on which the comfort and safety of the passengers depend so much as on well-arranged buffers. Very little change has, however, taken place for many years in the principle on which the common railway buffer is constructed—vis.: by powerful springs, made of constantly-diminishing plates of steel, precisely similar to the common coach-spring. A series of these are laid in a frame, beneath the floor of the carriage, and, in connection with iron rods, are placed in communication with the buffer-heads, at each extremity of every carriage, as also of the tender to the locomotive; and, on stoppages, or slacking of speed, taking place, these springs are acted upon by the buffer-rods, so as to break the force of the concussion. We are not aware that there has been any very particular objection to the use of these spring buffers, or that, when in order, they fail to answer the purpose for which they were intended; but they are, to a certain degree, complex and expensive, liable to breakage and disarrangement, and are, moreover, difficult of access for cleaning, ciling, and repairs. We have, during the week, had an opportunity of inspecting a newly-invented buffer, which has been patented by Messrs. Fuller and de Bergue, which combines simplicity with great strength and powerful elasticity, and has the advantage of being always within reach, without interfering with any other part of the carriage. It consists of two cast-iron cylinders, fitting one into the other, in the manner of a telescope—the larger being fixed by strong screws and nuts, through the base-plate, to the end of the carriage, or waggon, frame. These cylinders are turned and bored to fit each other perfectly, the smaller being fitted with a wrought-iron pin, round which the rings of India-rubber and plates of iron move freely, and allow of the expansion and contraction of the caoutchoue, as shown in the accompanying diagram.

The rings of caoutchoue are about 5 inches diameter, and 1½ thick; the separating iron plat vell-constructed wheels, there is no part on which the comfort and safety of the passengers depend so much as on well-arranged buffers. Very little change has, however, taken place for many years in the principle on which

IMPROVEMENTS IN COOLING COKE OVENS .- We, some time sit sticed a great improvement made in the manufacture of coke by Mr Church, of Colchester, whose plan is to cool the charge, by allowing the charce, of Coicnester, whose path is to cool the charge, by allowing the atmosphere passing rapidly through air flues, constructed for the purpose, instead of drawing the charge, and throwing water on them. A Mr. F. Ransome, of Ipswich, has taken out a patent for a coke oven, with some different arrangement of air tubes, through which he states, in his specification, he can, by the aid of blowers or fanners, cause a much more rapid current of air to pass the flues than by Church's patent, and thereby cool the coke in much less time.

ENAMELLING METALS.-Mr. Walton, of Wolverhampton, has obtained patent for coating copper, iron, &c., with an enamel, which will stand a a patent for coating copper, iron, &c., with an enamel, which will stand a red heat, without any injury, even if the enamelled surfaces be profusely ornamented. For thoroughly cleansing the surfaces, the metal is first exposed to a full red heat in an annealing furnace for half an hour, by which all liquid, semi-liquid, or greasy matter, will have been dissipated, and the surfaces become exidised; this exide, or scale, is then to be scraped off, and the surfaces rubbed with sandstone. They are then ready to receive a first coat of partially vitrifiable materials, which is poured in a semi-liquid state over the surface, and caused to distribute itself evenly thereon; it is then placed in an ordinary japanner's stove, heated to 180° Fah., and left until all moisture is dried away from the casing, leaving it in the state of a dry whitish composition, which will adhere, unless roughly touched. This composition is composed of six parts of flint glass, three of borax, one red lead, one exide of tin, well mixed, pounded in a mortar, "fritted" and ground in a porcelain mill, to the consistence of thick cream; when theoroughly dry, the article is ready for firing in a furnace, such as is used by enamel painters, when, having been subjected to a full red heat, and afterwards cooled, they present a dead whitish appearance, resembling earthenware in the state of biscuit. The surfaces are then wetted with water, and a second coat applied, consisting of 32 parts calcined bone, 16 china clay, 14 Cornwall stone, and 8 carbonate of potash, fritted in a reverberatory furnace for two hours, and reduced to powder; 5½ parts of this mixture are then mixed with 16 parts flint glass, 5½ calcined bone, 3 of ground flint, well mixed, and reduced to a thick cream in a porcelain mill; the articles are again fired in a muffle furnace, when they will bear a still more decided resemblance to articles of good earthenware in the state of biscuit. A third coat is given, and a third firing, when they present the appearance of glazed earthenware red heat, without any injury, even if the enamelled surfaces be profusely

Original Correspondence.

ON THE PRECIPITATION OF COPPER. Sin,-In your few last Journals, you have given an acc Sir,—In your few last Journals, you have given an account, not of a new invention, but of a well-known fact, put into practical use in a metallurgical operation—the precipitation of copper from a soluble salt, by means of metallic iron. As the practical success is, of course, dependent upon its economical application, perhaps the few following hints on the different bodies, to which the reagent, after use, may, by chemical decomposition, give rise, and the various purposes in which they may be successfully employed, may be found worthy of your notice. After the conversion of the sulphuret of copper into the soluble sulphate, and precipitation by means of iron, sulphate of iron, or copperas, would remain in solution. If this method should come into extensive use, copperas (already cheap) would become almost valueless—consequently, conversion into any other marketable product, would be desirable; and to attain this object, if a solution of rock-salt (an abundant natural product) be added, decomposition will ensue. Sulphate of soda, and chloride of iron, would be formed, and remain in solution, from which the sulphate of soda may, by crystallisation, be separated—and thus would be obtained a valuable article for the alkali manufacturer in the formation of carbonate of soda; thus rendering him partially independent of the foreign supply of sulphur, on which exorbitant duties, so frequently levied, have caused the greatest inconvenience and loss. The chloride of iron is a valueless commercial article; but, by the agency of quick-lime, exide of iron and chloride of calcium will be produced—the former, when reduced by means of charcoal, being more valuable than at first in the precipitation of copper, from its being in a state of fine division—thus bringing the respective substances into closer contact, and, consequently, allowing the freer action of affinity among both the proximate and ultimate constituents. The chloride of calcium bears a not altogether unnoticeable value; at all events, in the neighbourhood of tow ew invention, but of a well-known fact, put into practical use in a me-

IMPROVEMENTS IN SMELTING COPPER.

Sin,-Amongst the various methods for improving the smelting of coper ores, which have lately been noticed in your Journal, I am surprised per ores, which have lately been noticed in your Journal, I am surprised that more distinct information has not been afforded us, from some quarter, of Mr. Napier's process—inasmuch as works conducted on his principle are in actual operation in the neighbourhood of London, and also near to Swansea; and, during the last week, copper so manufactured has been offered to myself and other consumers in considerable quantities; and the quality, so far as we have proved it, is very superior to what we have been using. You notice, in your last Journal, that an improved process is about to be introduced, by which copper can be produced at the small cost of 5l. per ton. I am, however, informed, that Mr. Napier's process really costs less than half that sum. I need scarcely add, that this matter is producing a lively interest in this town, and a confident expectation that we shall soon have a considerable reduction in the price of that article.—A Consumer: Birmingham, Oct. 12.

MEETING OF THE BRITISH ASSOCIATION AT SWANSEA. SIR,-As that august body, the British Association for the Advannent of Science, intend to honour Swansen next year, by holding their an-

ment of Science, intend to honour Swansea next year, by holding their annual meeting in it, I beg to offer a few suggestions, through the medium of the columns of the Mining Journal, to the copper smelters, the corporation, and the inhabitants generally. The time is now too short to effect, even if the inclination existed, the object I proposed in my last letter—viz.: to turn copper smoke into sovereigns. I, therefore, now beg to submit to the smelters a plan, certainly much simpler, and which, I think, will prove more palatable to them. As the declared object in calcining copper ore—the operation which causes the greatest nuisance—(no! I should not say nuisance—the greatest escape of sulphureous vapour)—is to dissipate a portion of the sulphur, and oxidise some of the iron, I recommend the smelters from this time, until after the meeting of the British Association, to leave out part of their sulphurets, and use in lieu a portion of oxide of iron—the red ore of Lancashire—quantities of which pass through the port on its way to the iron-works up the valley. This will save calcination. Before fusing their mixture of ores, I would further recommend the addition of a portion of lime, which will have a tendency to fix any sulphur likely to escape during the fusion. To the other parties above referred to, I beg to submit that a subscription be entered into, to procure a quantity of fertilising compost, to throw over the land round Morriston, Landore, &c.—buy a few seeds and guano; perhaps, the application of galvanic wires, too, would assist vegetation. The adoption of these means at once might make the place look a bit tidy next summer. Swansea, Oct. 11.

RAMBLES IN WALES—FLINTSHIRE MINES.* (Continued.)

RAMBLES IN WALES-FLINTSHIRE MINES. Contin Going southward from Rhydymwyn, the nor

Sin,—Going southward from Rhydymwya, the northernmost mine on the Mold Mountain, it would appear that the grit and chirt, said to be partially deposited on the east side of Halkin Mountain, have concentrated and joined—so as to form one general stratum from that point south, still thickening and widening from east to west as it goes southward. The mines, at this point, I should observe, have, from some cause, which for the present I will forbear an attempt to explain, been thrown off the junction of the two or three cross-courses, aid to lay to the east of the one forming the source of the Holywell stream, a full mile to the west, and adjoining the one supplying Holywell, which I will call Calob Bell cross-course, or or near to this cross-course, all receiving great increase of water in floods, as well as at other times, and, if not drained by artificial means, discharging their water into it, are the following mines—Rhydymwyn (before named): Penyfron, on the same lode, but further west; Llynypanda, half a mile south; and Pantymyn, still further south about half a mile outh; and Pantymyn, still further south about half a mile outh; and Pantymyn, still further south about half a mile outh; and Pantymyn, still further south about half a mile outh; and Pantymyn, still further south, as mile south; we still still the supposed to be independent of this channel; Cathole, a mile to the south, is in some measure connected with it: Maesysafn, two miles south; we still still the south, is in some measure connected with it: Maesysafn, two miles south; we still still still the south, is situated on or near the Calob Bell cross-course, overlaying and close to the primitive clay state. From this point southward, the miners small mines, some of which have been very rich, are situated laying madeliately on the clay slate, without the slightest appearance of the vein going into it; and in this manner have several of the mines been so swept out, and scarcely is there an instance where the vein from Rhydymwyn southward, on the Ca the Mold Mountain, it would appear that the grit and chirt, said to be partially deposited on the east side of Halkin Mountain, have concen-

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RAILWAY AND COMMERCIAL GAZETTE.

SWEETLOVE'S SYSTEM OF VENTILATION.

Swettove's System of Ventilation.

Sin,—In your last week's paper I see is contained a long article upon the subject of colliery ventilation, which has been drawn up by a Mr. Sweetlove, and read before the Liverpool Polytechnic Society. The subject of piping was handled by Mr. Lyell and Dr. Faraday, in their pamphlet on the Haswell explosion. That pamphlet was reviewed by Mr. J. Mather, by the committee of coalowners, and by Mr. Matthias Dunn; and it was successfully shown that any system of piping, as applicable to an extensive colliery, is totally impracticable. Prompted, therefore, by the same humane motives as Mr. Sweetlove, and as all these discussions tend to good, I will hazard a few observations upon Mr. Sweetlove's conclusions, as to the nature and effect of the inflammable gas of coal mines. Mr. Sweetlove's description of the panel working of Mr. Buddle is apposite and consistent; but the firing off of gas, as described by Mr. Ryan, in speaking of the Staffordshire mines, is unknown as a system in any other district; and even in Staffordshire the thing is looked upon as fabulous, as no such practice exists there in these days. Mr. Sweetlove explains, that the issue of gas comes from the pores of the coal; and, after goaves are formed, that such goaves become the receptacle of large quantities, and are thus converted into magnaines, liable to be thrown out upon the neighbouring workings by sudden atmospheric changes, and other causes. Mr. Sweetlove then proceeds to land Mr. Ryan's plan, which be says, consists "in digging small canals along the roofs of the boards and head-ways. The plan was founded on the principle that the light carburetted hydrogen would rise to the roofs of the galleries, and flow through the gas head-ways, without mixing with the atmospheric air." "In trying to introduce this plan, however, he was encountered by the strongest opposition from the very individuals whom the invention was intended and calculated to benefit." Now, in these statements, Mr. Sweetlove is completely mistak

ing it, such as Taylor's hydraulic sir-pump, or Hill's ventitating bellows, &c."

"The course of the main pipe would be determined by the peculiarities of the minic itself; where they passed blowers or pot holes, they might be furnished with lateral induction pipes, having funnel openings to receive the larger jets."

Whilst giving Mr. Sweetlove every credit for believing that he had made a discovery—which discovery he was desirous of devoting to the purposes of humanity—I cannot conceal my surprise, that persons, otherwise well informed and scientific, would venture to broach a subject like this wishout having visited and made themselves practically acquainted with the nature and extent of a set of underground workings, parily upstanding and parily fallon, interrupted by faults, and subject to various irregularities, caused by bad roofs, bad coal, &c.; and them it too frequently happens, that each sanguine theorist will broach his imaginary system before an assembly of persons equally uninformed of either the principle or practice of mining; and because such system is not immediately taken up, it must needs be concluded that it is prejudeed—whits, in reality, it is, perhaps, that the absurdity of the project is so manifest, that no intelligent person will give himself the trouble of noticing it. Mr. Sweetlove has fallen into the same error as did Dr. Faraday, independent of the question of expense—viz. "That pipes being directed towards certain parts of the mine, and that pipe operated upon by a draught at the top of the nipcast pik, will naturally receive the gas, and convey it out of the mine.

Now, without condescending to notice the incapability of any reasonably-sized pipe effecting much as object, Mr. Sweetlove must be told that the application is an impossibility. In the first place, then, it is the invariable law of Nature, that the current of air, which is ventilating the mine, will always seek to rush by the nearest passage to the upcast pik, will be completely inclosed by dam, or otherwise—so as to

the only means of mitigating the dreadult loss of the experienced in our collisities under existing circumstances."

In the above remarks I most cordially agree, that no general system can be made applicable to all situations, save and except a full compliment of ventilation—which, in many cases, is complete and satisfactory, whilst, in others, the greatest ignorance and deficiency is discernible, and the want of thick with these accordance which are well understood by experienced. ners, is constantly occ

Newcesstle, Oct. 13.

Sweethouse System of Ventilation.

Sin,—In the Mining Journal of last week, there is an account of a meeting of the Liverpool Polytechnic Society, at the Royal Institution, in that town, which I have just read with great satisfaction, together with your comments. You say, Mr. Sweetlove's view of the principles of ventilation is decidedly novel, because he proposes to divide the operation—first, the removal of this dangerous gas before its admixture with atmospheric air in the mine; and, secondly, to keep up a constant supply of fresh air for the respiration of the miners. I sake the liberty of reminding you, that, 12 months ago, I advocated these principles, stating my conviction that no system of ventilation could ever be considered safe, in which the whole of the gas, escaping from the coal, was allowed to mingle with the entire atmosphere of the workings. I stated that, for a peculiar case, I had proposed the removal of an accumulation of gas, by forcing it into canvas sacks, to be thus removed, without contaminating the general atmosphere. When this idea was afterwards ridiculed by one of your correspondents, another suggested, as an improvement upon mine, the compression of the gas into thin light copper vessels, something like bollers upon wheels—the gas being thus safely removed, and allowed to escape where it would be harmless. I am sorry the disquisition, or correspondence, on the nature and properties of iron, has totally ceased. I hope to have some new facts established in a short time, which I will bring forward, and have no doubt it will revive that interesting discussion.

Pontyberem, Oct. 12.

SWEETLOVE'S SYSTEM OF VENTILATION.

SWEETLOVE'S SYSTEM OF VENTILATION.

Sue_The publication in the Mining Journal of Mr. Sweetlove's paper on the ventilation of mines—read before the Liverpool Polytechnic Society—will, Thope, provide a further discussion, in your columns, on that important subject, and elicit from some of your numerous correspondents either a method of practically earrying out the plan in detail, or of clearly showing its impracticability, or inferiority to some of the present modes of ventilating unines. I could have wished the same paper had been read at Newcastle, amongst practical men, for the sake of learning the opinious of such men, which, one would hope, would there have been drawn forth. To me, I must confess, the accomplishment of Mr. Sweetlove's plan appears both difficult and expensive. It would seem that carburested hydrogen is thought to be a gas, having but slight, affinity, or not readily mixing with the atmospheric air in mines; and that, from its levity, it will accumulate in certain places (in the highest parts, I suppose), from whence, the pipes being once laid, it may be drawn off with as much facility as water may be pumped from the lowest places, by means of pipes, fixed for that purpose. To say nothing of the facts, that the highest points of a mine are daily changing, from the removal of the coal—that a great number of places are working at one time, giving out greater or less proportioms of gas—the quantity greatly varying, at different times, in the same place, and, therefore, requiring a constant adjustment of the inlet into the numerous branch pipes, so that only the gas shall be withdrawn, and not sucking up a larger proportion of pure air in one place, and leaving behind a great volume of gas in another. But, generally, the gas will be found to exade from the fissures of the coal, and other places, in, I may almost say, an infinite number of places, and is soon intimately blended with the atmosphere—more like spirits mixing with water, than like oil, which, however intimately mixed, would shortly ag

ADCOCK'S SPRAY PUMP.

ADCOCK'S SPRAY PUMP.

Size,—In my communication to you of the 29th uit, I alfuded to an anonymous caluminator, who, as I stated, was well-known here, and whose name was, in this district, a bye-word for seorm and contempt. Upstarts a Mr. James Brown, from the Tavistock Hotel, Covent-garden, and says—"I have been that anonymous caluminator, but I will be no longer anonymous—I throw aside the mask which I have worn, and I am now prepared, in my own name and person, to 'run s-muck' at all maskind: you, the hon. Manber for Mommouth, shall be my first victim." Mr. James Brown them, accordingly, proceeds to assail me in a manner which must have convinced you, Sir, and your readers, how well qualified he is to conduct the ealm and impartial investigation of scientific truth. If you, Sir, wish to have a rational and temperate discussion upon the merits of Adcock's Spray Pump, I have no objection to assist in it, and to afford every information in my power, truly and faithfully; bus I decline to enter the lists of controversy with one who, from the most malicious motives, has distorted and miserpresented every fact connected with my operations at Lanhiddel: who has nothing in the shape of experience, mechanical knowledge, or scientific acquirement, to bring to bear upon the discussion; and who would never, probably, have mooted the subject, but for the opportunity it afforded him of vituperating myself, and of making another stack upon the discussion; and who or vituperating myself, and of making another stack upon the discussion; and who paper, with anonymous libels, of the most wicked and malignant character.

Cotober 13.

MINING IN THE INDIAN ARCHIPELAGO.

The following are extracts from the two first numbers of the Journal of the Indian Archipelage and Eastern Asia, recently commenced at Singapore—the object of which is to afford a channel for communicating information, scientific, commercial, and personal, relating to the various islands of the Archipelago, more particularly the British settlements on the Straits of Malacca, and of the Malayan Peninsula. The work is got up in every way superior to what we could have expected from such a part, and the contents are both varied and interesting.]

MENERALS IN COURSE CHINA.—We do not find on the mountains a single volcane, either active or extinct; but, in many places, mines of gold and silver occur, which the natives do not know how to work. The Government itself employs means for working the mines which only discourage the workmen. Much gold, however, is collected from the sand of the mountains; this sand is thrown into the neighbouring river, and the current disengages the particles of gold, which are collected, but with much pain and fatigue. It is in this manner that they seek the gold, in one of the mountains which are aintact opposite to the harbour of Touron. But the principal mines of gold and silver are at Tongking. Mines of iron, copper, lead, tin, and of zinc, are also found in abundance.

TIN MINES OF MALACCA.—The constantly increasing productiveness of the Malacca tin mines, renders them a matter of considerable interest. Many of the principal miners have retired, with competencies, to their native country (China). There are now about 50 mines, and some have been opened near the abode of the Jakúns, who, instead of showing any heatile feelings, have been of essential service to the miners, by guiding them through the impervious jungle, to the streams and places where it is supposed the metal will be found in abundance. It is much to be regretted, that so much specie is annually taken out of the settlement by the Chinese, for transmission to their families in China. They are, after all, in one sense, unprofitable colonists; and I am glad to observe, that a spirit of emulation is beginning to show itself amongs; the Malays, as a company of them, I hear, have been formed to work the mines.

GOLD FROM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PARKALLANG BURLT, AND GOLD AND TIN FROM GONGONG, ON THE JOHOM PA

Honograble T. Church, Sag, which had been firmished by H. H. the Tamungong of Johere. They are all of excellent quality, and from limbongans, or pits, which have been recently opened. The first is from a limbongan made in the alluvial soil, at the foot of a hill, and near a small stream, at Pankallang Bükit, which is about four hours (Malayan reckoning) inhand from Tanjong Gading, a point between the mouths of the rivers Mufar and Klassing, in the north of Johore. The last are from Gongong, on the Johore River, in the south of that kingdom, and are fresh proofs how widely spread these valuable metals are throughout the country.

COAL FROM LABUAN, PULO CHIEMUN, BORNEO, AND FORMOSA.—Some particulars are given of a series of specimens of coal from these localities, but only anticipatory of a more extended notice, taking a general view of the coal of the Archipelago, to which we shall allude when it reaches us.

IMPORTANT DISCOVERY OF A COAL FIELD.—The towns of Parkgate and Nestons, Cheshire, were on Friday the scenes of considerable rejoicings, in consequence of the complete success which has attended the trials made to prove the field of coal on the Cheshire side of the Des, on the property of the Hou. E. M. Mostyn, M.P. We understand, that an extensive field of coal of most excellent quality, and which, no donbt, is a continuation of the Fint and Bagilt coal fields has been proved. Should this be the case, Birkenhead will be enabled to derive from this newly-discovered field the extensive supplies of coal required for the use of that rising port, and for exportation, on far easier terms than from any other quarter.—Globe.

M. Negrelli, the Austrian civil engineer, is making preparations to leave Visuus for Egypt, to join the French and English engineers in the formation of the canal of Sues.

Mr. Alexander Brogniart, the celebrated unbrestalogist died of Desir Levil

of the canal of Sues.

Mr. Alexander Brogniart, the celebrated mineralogist, died at Paris, last week, in his 78th year; he was director of the Royal Porcelain Manufactory of Sèvres, at which he resided.

THE SILVER AND GOLD MINES OF THE NEW WORLD. ECOND PART.—ON THE FUTURE PROSPECTS OF THE MINES OF AMBRICA, COMPARED WITH THOSE OF EUROPE.—NO. VIII.

MORRIMA STRUCT CEA STORY

If, instead of taking the total production, we take the annual extraction, the Russian Empire will appear in a much more advantageous posi-tion. At present, to speak only of gold: suppose the American produc-tion to be represented by 100, that of Russia is as 144. As the washings of Asiatic Russia are extending incessantly, and as the field in which they take place seems infinite, we are still far distant from the amount which will be attained. We want support that cheeth through Bussia the consent will be attained. We must expect that shortly, through Russia, the general production of gold will approach the triple of what appeared at the end of the lust century on the market of the world. This increase of the extraction will be attained. We must expect that shorte, through the same, the general production of gold will approach the triple of what appeared at the end of the last century on the market of the world. This increase of the extraction must, after a certain delay, bring about a decline in price, because, unless there be a rapid development of wealth among the populations of countries, the means of employing this mass of gold would soon coase to be found, and the offer would thus exceed the demand. In other terms, in supposing that silver should remain at the same point with respect to corn, gold would not be worth more than 15, or 14, or 12 times its weight in silver. The relative value of the two precious metals (I do not speak of the absolute value, nor of the value in relation to that of objects of the first necessity), would approach what it was among ancient nations, or before the discovery of America. In another point of view, the decline in the venal value of gold could not sustain itself, except in so far as the cost of production should have diminished, for otherwise the production would stop; but when we think on the surprising progress which the mechanical arts make every day, we cannot doubt that the selling price of gold will undergo a reduction, provided the deposits remain the same. Thus the decline, if it should take place, would not be likely to leasen the extraction. Moreover, some time must needs clapse before a production of gold, even triple that of the commencement of the century, will cause an important reduction in the current price of that metal. The quantity of gold which exists among civilised nations is so great, that an annual addition of 40,000 kilogrammes, beyond what was ordinarily disposed of previous re 1823, would not rapidly augment the mass in a very sensible manner, and would not affect the value until after a certain delay. This is proved by the fact, that when, 25 years ago, England obtained a sum of more than 1,000,000,000 fr., representing 300,000 kilogrammes of pure gold, in o

IV. PRODUCTION OF SILVER IN SPAIN.

On the old continent, Russia is not the only state which has increased its production of precious metals. The progress has been almost general its production of precious metals. The progress has been almost general among such of the European States as possess them. The success which Russia has obtained has been striking, incomparable. Nevertheless, it will be seen that some other nations have also made progress worthy of being cited. At the commencement of the century, Europe, without counting Russia (which we here take in its whole extent, both to the cast and west of the Oural Mountains), yielded, in pure metal, 1300 kilogrammes of gold and 52,670 kilogrammes of silver. In 1835, the quantity of gold was about the same; but the production of silver was increased by about 15,000 kilogrammes. The production of silver was increased by about 15,000 kilogrammes. The production of gold and silver in Europe was, in 1835, as at the commencement of the century, concentrated in Germany, and in the lower part or the valley of the Danube—that is, to speak more precisely, in the Hartz Mountains, in Hanover, in those of Erzgebirge, which are divided among Saxony, Bohemia, and Prussia, in Hangary, and Transylvania—the last two countries, let us repeat, having pretty nearly the monopoly of gold. Out of Germany, and the valley of the Danube, there was not produced, in 1835, more than 1,000 kilogrammes of silver, of a value of about 2,000,000 fr., and from 20,000 to 25,000 kilogrammes of gold. Industry, which, since 1835, has taken a great extension in Europe, has paid more attention to the precious metals than it had previously done. At present, only little is wanting to make the production of silver double what it was in 1835. The principal cause of this development is, that Spain, which possessed important silver mines, formerly very celebrated, has again begun to work them.

The mines of gold, and particularly of silver, in Spain, have enjoyed great celebrity. Strabo, whose exactitude is better appreciated every day, states the fecundity of them. Long before him, the Prophet Excited had signalised it in his threatening prophecies against Tyre. The deposits of silv among such of the European States as possess them. The success which

As to gold, the yield of the Peninsula is quite insignificant. It may, however, be considered probable that the extraordinary success of the washings of gold in Asiatic Russia will cause searches to be made for that metal in all the countries in which that was formerly done. Success exercises a fuscinating power on the heart of man. The example of success sometimes gives rise to the most extravagant enterprises; and, for a stronger reason, it warrants attempts which possess tolerable chances of success. There would be nothing unreasonable henceforth in attacking with the means which science indicates, and which Russia every day improves, the alluvions which were formerly renowned for the gold which they contained. There exist some, not only in the Iberian Peninsula, but also in France, at the foot of the Pyrences, which formerly made a good yield, especially in the valley of the Ariège, in which the characteristic elecumstances of the deposit of gold in Siberia appear to exist. Ireland is also quoted. [It be concluded in sent week's Mining Journal.]

CONTISENTAL RAILWAY LAW—A SEVERE SENTEROR.—A rich farmer of Valdbye (Denmark), named Stearnersen, has just been tried at Copenhagen, for having attempted, by displaying a red pocket-handkerchief at the end of a stick, to stop a train running on the railway from Copenhagen to Rothechield. He acknowledged that he had displayed the signal as tated, but affirmed that he did so in consequence of a wager entered into by him, after a coplous trainers well seasoned with wine, that he should succeed in stopping the frat that appeared. Knowing that to display a red flag signified danger, he had wavet his red handkerchief, as mentioned in the indictment. The court, finding him guilty, sentenced himsto 10 years mard labour in a house of correction, being the penalty laid down in the Danish law against any attempt to stop a railway train, or impede its passage. Stearnersen has appealed against this severe sentence.

Proceedings of Public Companies.

MEETINGS DURING THE ENSUING WEEK. MERTINGS DURING THE ENSUING WEEK.

INDAY ... West Flanders Railways—London Tavern, at One.
Fleetwood and Furness Steams-Facket Company—offices, at Eleven.

BYDAY ... Rock Life Assurance Company—London Tavern, at Twelve.

BYBERDAY ... Tamer Siver-Load Hinny Company—London Tavern, at One.

Trinidad Railway Company—London Tavern, at One.

Tramar Siver-Load Hinny Company—Offices, at Twe.

Swansea Dock Company—offices, Swansea, at Twe.

Swansea Vale Railway—Offices, Swansea, at Twelve.

Swansea Vale Railway—Offices, Swansea, at Trelve.

North Wales Railway—Guidthall Coffee-house, at Twe.

TERDAY ... West Wheel Mairs Hinnig Company—offices, at One.

[The meetings of Mining Company—offices, at One.

[The meetings of Mining Company—offices, at One.

ROYAL MAIL STEAM-PACKET COMPANY,

The half-yearly meeting of this company was held at the L Bishopsgate-street, on Thursday, the 14th inst.,

The half-yearly meeting of this company was held at the London Tavern, Bishopsgate-street, on Thursday, the 14th inst.,

Andrew Colville, Eq. (1), in the chair.

Capt. Chappell, R.N. (the secretary), read the following report:—

REPORT.

In placing before the proprietors the working account for the first six months of the company's affairs), it continues to exhibit a satisfactory result. It is true that, owing to circumstances, many of which arise from temporary causes, the disburse-memb have been greater than in the corresponding half of last year, and that the surplus is less; but the total receipts show a steady increase, notwithstanding the deficiency in homeward freight, occasioned by smaller shipment of specie from Mexico, resulting from the unsettled state of that country. As relates to the increased disbursements, the directors have to offer the following explanation:—The proprietors are aware that the items in the semi-amonal working account laid before them, do not exhibit the cazet amounts and property of the company of the same supplyed in the half-year's service, but the sume supendion the half-year, although such expected in the half-year's according to the length of their services. Under the head of provisions there is an increase of 38721, owing to the moreosity for putting a larger quantity on beard the ships to meet the increased number of passengers. The excess of 17841, upon stores has arisen chiefly from the purchase of additional aulon furniture, renewals, &c., occasioned by the general repair of the Twice and other ships; and by some few articles required for the Great Western. The general service and stations exhibit an increased expenditure amounting to 30711, which arises from the hirts of the schooner Lew was hauled up on the patent slip for repair, by a subscription to the fund for relieving the widows and orphans of men who perished at the week of the Tweed; by the hire of results to company a chooner Lew was hauled upon the patent slip for repair, by a subscription to the fund for

the company's affairs, the directors feel gratified in proposing (as before) a dividend of It. 15s. per share, exclusive of income-tax, the same to be payable on the 20th inst.

The balance-sheet was read, from which it appeared that the company's receipts, for the half year, amounted to 198,371f. 2s. 10d.; and the expanditure to 155,967f. 11s. 8d.—leaving a surplus of 42,403f. 11s. 2d.

The CHARIMAN having moved the adoption of the report,
Mr. RIDGWAY made a speech, in which he touched on the salaries paid to the officers of the company, considering them extravagant, and as tending to give the proprietors a less dividend.—The CHARIMAN is tending to give the proprietors a less dividend.—The CHARIMAN in new contract with the Government. (Hear, hear.)

Mr. RIDGWAY, after some further observations, proposed, as an amendment, that the gratuity to the secretary be disallowed, and that the dividend be increased from 1f. 15s. to 2f. per share.

The CHARIMAN, in reply to the statements of Mr. Ridgway, said, the wines supplied by the company in the boats were of the very best quality; and, unless it were so, there would be no end to complaints, for it was paid for by the passengera, in addition to their passage-money. The change of route, by way. of New Orleans, would, in his opinion, ere long, prove profitable to the company, as people would get in the habit of coming to Europe, without going round by New York. (Hear, hear.) As to the salaries, he justified the course the directors pursued, which was of increasing them only as the clerks advanced in life and the service of the company. The directors, in his opinion, could not increase the dividend beyond what had been recommended.

The amendment of Mr. Ridgway was then put, and negatived by a very large majority.—The CHARMAN in the meeting.—A vote of thanks to the chairman and directors was then passed unanimously, when the meeting adjourned.

PRICE'S PATENT CANDLE COMPANY.

An extraordinary general meeting of this company (a concern in which two of the present, and one of the late, partners of the house of Cockerill and Co. are directors) was held, on Wednesday last, when a report was presented, stating, that owing to Messrs. Cockerill's suspension, it would be for the advantage of the abareholders to defer the division of the profits which have accrued since the lat of January. It appears, that in purchasing the patent rights of Messrs. Price and Co., the company—under whose direct control the working of the establishment was not taken until May last—contemplated making their payments by instalments (allowing Price and Co. 5 per cent. upon such sums as might remain unpaid, and also for such portions of their capital as might continue to be employed in the business); but the resources of this firm having been straitened by Messrs. Cockerill's suspension, it has now been thought best to postpone the contemplated division of profits until December next, when it may be rande without inconvenience. In accordance with this recommendation, a dividend of 1l. per share, out of the profits to the present date, being at the rate of 20 per cent. per annum on the paid-up capital, was agreed to, the same to be payable on the 31st of December next. The forfeitare and reallotment of 325 shares, standing in the name of Sir G. Larpent, and of 1825 in the name of Mr. John Cockerill, upon which the calls have not been paid, was also resolved upon. As regards the former gentleman, however, the report of the advertisement convening this meeting, that Sir G. Larpent intends to remain in London, and bores to work in the same that Sir G. Larpent intends to remain in London, and bores to work in the same time. be read with gratification:—"The directors have been happy to learn, the insertion of the advertisement convening this meeting, that Sir G. La intends to remain in London, and hopes to retain his seat at the board."

Demender in London, and hopes to retain his seat at the board."

Demender Railway.—The first half-yearly meeting was held on Monday.—M. McClelevy in the chair.—The report spoke favourably of the progress of the line: land had been secured at Georgetown for the principal terminus, and the ceremony of turning the first sod was performed on the 19th of August last, by his Excellency, Governor Lyle. It is expected that within six months the first few miles of the railway will be opened for traffic. The accounts from the commencement up to the 30th September, showed the receipts to have been 63,1931. 14s. 10d., the expenditure 52,4851. 14s. 7d., and the balance 10,708. 0s. 3d. An immediate call of 21. 10s. a share was ordered. After some little discussion as to the payment of 1500l. a year to the directors (which was objected to by Col. Warren), the report was adopted, and the meeting separated.

GHEAT NOWER OF INDIA RALLWAY.—An adjourned meeting of proprietors was held at the offices, Coleman-street-buildings, on Thursday, for the purpose of declaring the dissolution of the undertaking, and returning the balance in hand.—Mr. H. BORRADALLE was in the chair—and about a dozen shareholders by the directors, and from a statement of accounts, that the receipts from October, 1345, to 30th September, 1847, amounted to 11,590l. 9s., and the expenditure during the same period amounted to 4666l. 9s. 8d., leaving a balance on hand of 4666l. 9s. 4. The liabilities were stated at 520l. The report recommended—first, the dissolution of the company; secondly, the return of 1s. 9d. per share. These recommendations were formally adopted, and the meeting broke up.

BERGINS AND COLOME.—This line was to have been opened throughout presents from the Prussian to the Parisian capital will be 20 thalers.

Since the opening of the atmospheric railway from Paris to St. Gern they have found round the large cast motal tube, chiefly in that part u the tunnel to the viaduet, an immense number of dead toads. Some chen irous to discover the cause of this mortality, have found the paint in the tube has a singular property of attracting these reptiles and poisoning them. They are, in many localities, a complete scourge; and the means of destroying them may not be unacceptable. This composition, or paint, is formed of 40 parts of sulphate of lead, and 60 parts of glue, which is composed of 45 parts of white recessor oil, 15 of gum lacque, and five of cauntonuc. In the rural districts, this might be used with great advantage by agriculturists in painting their fences.

the rural districts, this might be used with great advantage by agriculturists in painting their fences.

BOULOONE AND AMMENS RAHLWAY.—The general meeting of the French and English directors of this railway, which is appointed to be held at Paris, on the 30th inst., is looked forward to with great interest by English shareholders in French and continental railways. Many complaints are made by those on this side the Channel, at the apparent delay in the completion of the whole line from Boulogne to Amiens, the section from Abbeville to that city as yet being only open to traffic, which is a considerable loss to the company. The South Eastern directors have offered free tickets from London by their line, and steamers from Folkestone to Boulogne and back, to those shareholders in the Boulogne and Amiens Railway, who intend to he present at the general meeting in Paris, which complaisance will, no doubt, be duly appreciated.

EXTENSION OF THE SOUTH WESTERS RAILWAY.—Yesterday, the plinths of the arches crossing the Westminster-bridge-road and Lambeth-road were completed, and the arches turned over Homer-street, Allen-street, Carlisle-street, and Lower Marsh, Lambeth, completing the viaduct to the proposed Waterloo terminus in the York-road. The entire length of the surface of the viaduct has been covered with a thick coat of Claridge's seyssel asphalte, rendering the arches beneath perfectly dry and warm—it being the intention of the company to convert them into dwelling-houses shops, &c. This extension will open for traffic in the ensuing spring; and on Monday the demolition of the houses for the London-bridge extension commence.

Great Nouthern and Americant and Noutheau Railways.—We

open for traine in the ensuing spring; and on Modday the demolition of the houses for the London-bridge extension commence.

Great Northern and Ambergate and Nottingham Railways.—We understand, that the amalgamation of the Ambergate and Nottingham with the London and York Company was fully discussed at a meeting of the directors of the former company at Nottingham, on Wednesday last, when it was unanimously resolved to submit a copy of the terms of the proposed merger to every shareholder, and soon after to summon an extraordinary meeting of the proprietary, to finally dispose of the question.

A contract, we understand, has just been made for the relaying and adapting for locomotive steam-power the Ardrossan Railway, from Eglinton Iron Works to the Perceton Branch Railway, the latter of which, some time ago, was rendered fif for locomotives; also for forming a railway from Corsehill to Kliwining, to intersect the Kilmarnock branch of the Ayrshire Railway, forming part of the Glasgow, Kilmarnock, and Ardrossan Railway. Mr. H. King, of Motherwell, Lanarkshire, is the contractor.—Ayr Observer.

The Warsaw and Cracow Railway will be opened on the 1st November next. A splendid carriage has been built for the Emperor, at the cost of 120,000 fl.

Newoastle and Carlisle Railway—Good Example.—This company having some time ago made a call, has just issued an announcement postponing its payment until the money market shall be more propitious.

BIRMINGHAM, WOLVERHAMPTON, AND STOUR VALLEY RAILWAY.—The directors in this line assembled on Monday, at their offices in Birmingham, for the purpose of receiving tenders for contracts for the works from Winson Green to Oldbury, and from thence to Dudley, the whole being a distance of about eight miles. From 15 to 20 tenders were sent in, but it was resolved by the board that the opening of them should be deferred for a month.—Midland Counties Herald.

Brecon and Adergavenny.—A staff of engineers and surveyors is not occupied in making a survey of this line, preparatory to an intended application to Parliament next session. It appears that the line has been taken up by the Newport and Abergavenny Company, under whose auspices the survey is being made.

Deing made.

CHESTER AND HOLYHEAD RAILWAY.—We understand that a private opening of the line from Chester to Conway, took place on Thursday last. The directors, Mr. King, the secretary, Mr. Glyn, M.P., chairman of the London and North-Western, Mr. Creed, the secretary, and Capt. Haish, the manager, were among those who passed over the line. The trip was strictly private. It had been intended, we believe, to float Mr. Stephenson's gigantic bridge, which is to be suspended over the river at Conway, but we understand that this interesting event is postponed for a fortnight.

THE MIXED GAUGES TO CHELTENHAM.—The opening of the double gauge line from Gloucester to Cheltenham will take place, we are informed, to-day, or Monday next. The event is looked forward to with much interest in the railway world, as it will set at rest the long-discussed question of the practicability of the two gauges on the same line of railway. The broad gauge party are very confident of its success, while the other side as confidently predict its failure.

RAILWAY TRAVELLING PORTERS.—Our wasters will result the same in the contract of the confidentity predict its failure.

RAILWAY TRAVELLING PORTERS.—Our readers will recollect that we, last week, published a circular from Mr. Seymour Clark, stating that an officer, under the above title, to be selected from the other porters for his good conduct, would be appointed to keep a look out behind on the express trains of the Great Western Company. It appears that these men are so elevated above the train, that they find it impossible to withstand the cold, and other inconveniences, to which they are exposed, and that three or four of them have already resigned the situation.

ready resigned the situation.

New Railway Carstage.—An improved railway carriage has just been constructed by Messrs. Adams, of Fairfield Works, Bow, for the North Woolwich branch of the Easters Counties Railway, to meet the increased traffic, without lengthening the train. The carriages are 40 ft. in length and 9 ft. in width—the extra width being gained by building the carriage frames to the width of the ordinary step boards. Notwithstanding their length, these carriages will have a curve of 200 ft. radius, by means of the flexibility and arrangement of the springs, which permit the wheels to traverse laterally. The carriages are fitted up in five compartments; one first-class with couches all round, and a table in the centre; the other three second-class. They will carry about 110 passengers.—Chemsford Chronicle.

Value or Nagare Railway — We rejoice to find that this railway is non-

all round, and a table in the centre; the other three second-class. They will carry about 110 passengers.—Chemsford Chronicle.

Vale or Neath Rallway.—We rejoic to find, that this railway is progressing with much activity. There are about 150 men engaged on the two contracts, taken respectively by Mr. W. Hopkins and Mr. Bevan. Mr. Grant, of the Gnoll, and Mr. E. Vaughan, of Rheola, the chief landowners on these contracts, have kindly given possession of their land; and thus no delay will arise. We shall be glad to hear of the heavy works near Merthyr Tydvil being contracted for. We trust the directors will use their best exertions to complete the line with the least possible delay, as it must prove a most desirable object to the vast population of "The Hills," Morthyr, and Dowlais. A meeting of the directors was held at Neath, on Thursday last, at which several matters of importance were taken into consideration, with the laudable view of forwarding the works.—Merthyr Guardias.

Mr. Struve's Atmospheric Rallway.—We understand that, at the last meeting of the Swansea Literary and Scientific Society, a paper was read by Mr. Struvé, civil engineer, of this town, on an invention which he has very recently patented, for propelling railway carriages on an atmospheric plan. We never remember to have seen a more elegant yet simple application of a trite law in physics. The old pneumatic law, developed since the days of Galvano and Torrecelli, in this beautiful invention of Mr. Struvé, is rendered available, with remarkable certainty, to railway purposes. The model for an atmospheric railway, exhibited by Mr. Struvé at the meeting of the society, seemed to us to be only a natural continuation of the principal nvolved in the construction of the ventilating machine, patented by him about 12 months since. This last exhausting machine is an essential part of his new atmospheric railway combination. The principle of atmospheric pressure is most ingeniously brought into operations. A closed visuated was were way venture to de exhausting machine is an essential part of his new atmospheric railway combination. The principle of atmospheric pressure is most ingeniously brought into operations. A closed visiduct (as we may venture to describe it), in which the train run, is attached to the exhausting engine, which, by means of a simple centricars a stixed to the foremost part of the train, is enabled to withdraw the air from that portion of the viaduct intervening between the train and the engine-time creating a tendency for a vacuum, and bringing into a regulated activity the law of atmospheric pressure, in obedience to which the train is propelled in the direction of the exhausting-engine. We forbear to enter into further descriptive details, since we rust that this will soon be done by Mr. Struvé himself. It remains for us at present only to add, that we feel proud that this useful and important invention has originated in our town. We know not a higher grade of merit than that which belongs to the man who reduces the everlasting laws of Nature to the purposes of art, and utilises in the cause of man's daily wants the established principles of science. With this lawentive gentus, Mr. Struvé is eminently gifted.—Combrion.

Mr. Struvé is eminently gifted.—Combrion.

The Hartlerool Lighthouse has been made, and the result has been completely seccessful. It is the first lighthouse on a large scale and of any great importance that has yet been lit in this manner. Some small lighthouse on piers have certainly been thus lit before, but no lighthouse of such importance to navigation. The burner employed was constructed by Messra. M'Neil, of Se Martin's lane, who were employed to carry the new mode of lighting into effect. The power and brilliancy of the light was tested by several captains and persons connected with the harbour going out to sea, and their report was very favourable. The substitution of gas for oil will reduce the expenses about hall, and will remove the danger said to arise from the lamp with concentric wicks, which requires constant attention and considerable judgment in the management. There has hitherto been considerable difficulty in adapting gas to lighthouses where a single large light is required, for the only burners which were large enough to give sufficient light burned with so unsteady and irregular a flame, that they were unsuitable to the optical apparatus employed to concentrate the rays. These difficulties have been overcome, and a most desirable ond attained.

THE PATENT SAFE'TY FUSE
FOR BLASTING ROCKS IN MINES, QUARRIES, AND FOR SUBMARING
OPERATIONS...-This article affords the SAFEST, CHEAPEST, and most EXPEDS
TIOUS MODE of effecting this very hazardous operation. From many testimentes to it assumes with which the manufacturers have been favoured from overy part of the kindom, they select the following letter, resemily received from John Taylor, Exp. Fig. 4c.;...."I am very gist to hear that my recommendations have been of any ecrose at you; they have been given from a thorough conviction of the great needlines of the Safety Fuse, and I am quite willing that you should employ my name as evidence of this.
Manufactured and sold by the Patontees, BICKFORD, SMITH, and DAVEY, Optionre, Cornwall.

DATENT GALVANISED IRON AND WIRE ROPE WORKS ANDREW SMITH begs to inform the Mining, Railway, and Ship as obtained a PATENT for an IMPROVED METHOD of GALV, ucing a much superior article at a considerable saving in cost—th vanising wire rope, adding only £10 per ton instead of £30, in case. The rope is extensively used in damp situations, for mines, and for ships' standing rigging.

CUNNINGHAM & CARTER'S PNEUMATIC RAILWA'S SYSTEM.—The attention of the acientific public is requested to this SYSTEM than the system of the public as requested to this SYSTEM. SYSTEM.—The attention of the scientific public is requested to the hick unites great simplicity with economy, and is entirely free from those onesceneous which are the mesparable attendants on the use of the fotomer The MODEL may BE VIEW ED, and every information given, on application of the control of th

TO ENGINEERS, RAILWAY AND STEAM-BOAT-COMPANIES, AND THE OWNERS OF STEAM-ENGINES IN GENERAL. ATHER beg to call the attention of the above parties to PATENT ELASTIC METALLIC PISTON.

From the great satisfaction it has already given, they can, with the following are some of its excellent properties:—

1. The reat, equable, and mild elsasieity: its being perfectly cylindrical around the reat of the control of the cylindrical around the read of the cylindry, whether oval or taper.
9. Its extreme simplicity and lightness—the packing consisting of own two sextal, having vertical and horizontal elasticity in due and proper proportion, and of each other—the horizontal elasticity being also independent of sonew

numps.

The above patent was unsuccessfully opposed by Mr. Geodfellow, the patentee of a pason, having three angular rings, of a bevil form.

The Solicitor-General conceived that there was not the alightest similarity between hem, as may be seen from the subjoined letter from Mr. Carpmael, through whem the view of was not the subjoined letter from Mr. Carpmael, through whem the view of was not the subjoined letter from Mr. Carpmael,

nein, as may be wataken.

W. and C. M. can refer to upwards of 100, made since the date of the patent (April, 846), each of which is giving entire satisfaction. They beg to call attention to the fact hat, in a number of cases, they have replaced those made of three ansalar rings of the ceil form, a description of which appeared in the Mining Journal of Saturday, October 2.

DEAR SIRS.—Mr. Solicitor-General took the hearing in your patent restorday, at the rivy Council, and decided that the invention did not interfere; we are, therefore proceeding with the patent.

We sire, your obedient servants,
We sire, your obedient servants,
The object of publishing the above letter, is to convince parties wishing to use W. as,
Mather's piston, that they have nothing to fear from the cantion which accompanise advertisement referred to, or the unfounded reports which are industriously circuit for from the same quarter.

led from the same quarter.
Locomotive and other pistons guaranteed for feeles months.
Salford Iron Works, Manchester, Sept., 1847.

TO ENGINEERS AND BOILER-MAKERS.

LAP-WELDED IRON TUBES, FOR MARINE

AND LOCOMOTIVE STEAM-BOILERS,
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ALL SORTS OF GAS PITTINGS.
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MPROVED LIFTING IMPROVED RATCHET HALBY'S PATENT JACKS, MANUFACTURED BY W. AND J. GALLOWAY. PATENT RIVET WORKS.

The attention of parties who employ Lifting Backs,

tfully requested to the sup f these annexed, over the hitherto in use.

MANCHESTER.

OFFICE FOR PATENTS, 7, STAPLE INN, HOLBORN, Informs INVENTORS and PATENTIS, 1, STARTED INN, HOLDSON, J. MURDOOM (successor and late assistant to Mr. Hebert)
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The division of profits is annual, and the next will be made in December of the preserved by PERGUSON CAMBOUX, Secretary.

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